

The Intrepid Companies 700 17<sup>th</sup> Street, Suite 1700 Denver, CO 80202 303.296.3006 303.298.7502 fax

25 May 2005

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801

Re: Two Fer 26-30 Permit Application

To Whom It May Concern:

Intrepid Oil & Gas, LLC is submitting this application for approval to drill Two Fer 26-30. Along with this application we have attached the following: the well plat provided by licensed surveyors, evidence of water rights approval, and complete drilling plan. Please contact Richard Miller with the approval of this application.

tickard miller

Richard Miller (435) 259-1254

RECEIVED
JUN 0 1 2005

DIV. OF OIL, GAS & MINING



The Intrepid Companies 700 17<sup>th</sup> Street, Suite 1700 Denver, CO 80202 303.296.3006 303.298.7502 fax

Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801

Re:

Two-Fer 26-30 Well

Township 26 South, Range 20 East Section 26: 588' FSL 1864' FWL Grand County, Utah

To Whom It May Concern:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Intrepid Oil and Gas, LLC ("IOG") hereby requests an exception location for the drilling of the captioned well. The requested location is necessary due to the topography in the area.

IOG is the owner of 100% of the oil and gas leasehold rights within a radius of 460 feet of the proposed location. A plat is attached indicating the ownership in those lands surrounding the location.

Should you or your staff require additional information, please do not hesitate to call me at (303) 881-5440.

Sincerely,

INTREPID OIL & GAS, LLC

Echand Miller

Richard Miller

**Special Projects Manager** 

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JUN 0 1 2005

DIV. OF OIL, GAS & MINING

### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

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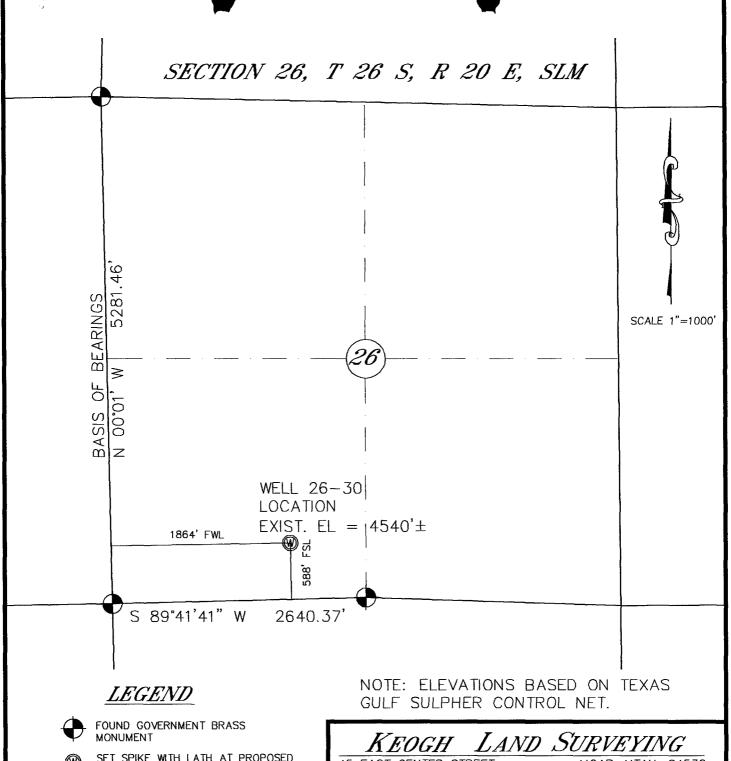
AMENDED REPORT (highlight changes)

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B. TYPE OF WE		] GAS □	OTHER	SIN	GLE ZONE 🖟	MULTIPLE ZON	E B. UNIT	OF CA AGREEMENT N	IAME:
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3. ADDRESS OF	OPERATOR:	<del></del>	······································	the state of the s	<del></del>	PHONE NUMBER		Fer 26-30	<del>,</del>
		00 <sub>CITY</sub> Denv	er st	ATE CO ZIP 80	202	(303) 296-3006	Wild	DAND POOL, OR WI	LDCAT:
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		1864 FWL So ONE: Cane C	72	62659Y		7,683322	•		3 20E
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		of Moab, UT					12 cou Gran		13. STATE: UTAH
		OPERTY OR LEASE		16. NUMBER O	F ACRES IN LEAS	SE:		ACRES ASSIGNED	TO THE ME
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18. DISTANCE TO APPLIED FO	O NEAREST WE R) ON THIS LEAS	LL (DRILLING, COMF	LETED, OR	19. PROPOSED	DEPTH:		20. BOND DESC	RIPTION:	IV/A
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		ER DF, RT, GR, ETC	i.):		ATE DATE WORK	WILL START:	23. ESTIMATED		· · · · · · · · · · · · · · · · · · ·
4540' GR	·	aleska, ta ili aleska Wali		7/25/200	)5		45 days		
24.		· · · · · · · · · · · · · · · · · · ·		SED CASING A	ND CEMENT	TING PROGRAM			
SIZE OF HOLE		, GRADE, AND WEK	SHT PER FOOT	SETTING DEPTH		CEMENT TYPE, QUA	UNTITY, YIELD, AN	D SLURRY WEIGHT	
24"	20"	J-55	94 #/ft	200	Type III		175 sx	1.70 cf/sk	14.8 ppg
12-1/4"	9-5/8"	N-80	40 #/ft	2,900	Type III	Lea	ad: 600 sx	1,91 cf/sk	13.0 ppg
					Type III	T	ail: 120 sx	1.64 cf/sk	14.8 ppg
8-1/2"	7"	J-55	26 #/ft	5,000	Type III	T	ail: 450 sx	1.55 cf/sk	
8-1/2"	7"	N-80	26 #/ft	6,600	Type III	T	ail: 450 sx	1.55 cf/sk	15.0 ppg
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25.				ATTA	CHMENTS		<del></del>	<del>- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1</del>	
VERIFY THE FOL	LOWING ARE A	TTACHED IN ACCOR	DANCE WITH THE	UTAH OIL AND GAS C	ONSERVATION G	ENERAL RULES:			
WELL PL	AT OR MAP PRE	PARED BY LICENSE	D SURVEYOR OR	ENGINEER	☑ co∧	IPLETE DRILLING PLAN			
		OF WATER RIGHTS				M 5, IF OPERATOR IS PER	RSON OR COMPA	NY OTHER THAN TH	E LEASE OWNER
*					<u>.</u>				<u></u>
NAME (PLÉASE	PRINT) Richa	ard Miller		<del> </del>	TITLE	Special Project	s Manager		V
SIGNATURE	ticke	n lon	121	<u> </u>	DATE	5/25/2005			
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43-019-31452

**RECEIVED** JUN 1 3 2005

DIV. OF OIL, GAS & MINING





SET SPIKE WITH LATH AT PROPOSED WELL LOCATION

MINIMAN LAND THE OF UTAX DATE

45 EAST CENTER STREET

MOAB, UTAH, 84532

A SURVEY OF

### WELL 26-30

WITHIN SECTION 26, T 26 S, R 20 E, SLM, GRAND COUNTY, UTAH

PREPARED FOR

INTREPID OIL & GAS, LLC.

DATE: 5-10-05	DRAWN BY: EJ	CHECKED BY: TMK
SCALE: 1"=1000'	F.B.# 141	INTREPID051005

To: Dustin Doucet 8/4/2005

From: Richard Miller - Intrepid Oil and Gas LLC

Intrepid Oil and Gas LLC offers the following reasons for requesting approval of the casing program as proposed in the Two Fer 26-30 APD:

During 1959 The Cane Creek 6 well was drilled approximately 415' North of the proposed 26-30 Well. This CC 6 well was sidetracked and the Sylvite 9 ore zone was penetrated twice with a total horizontal displacement of 386'. There is no indication in the drilling logs that any pressured or loss circulation zones were encountered in either the main hole or the sidetracked portion. With this information in close proximity to the proposed well we feel confident that no pressures or loss of circulation will be encountered 415' away in these same depth intervals.

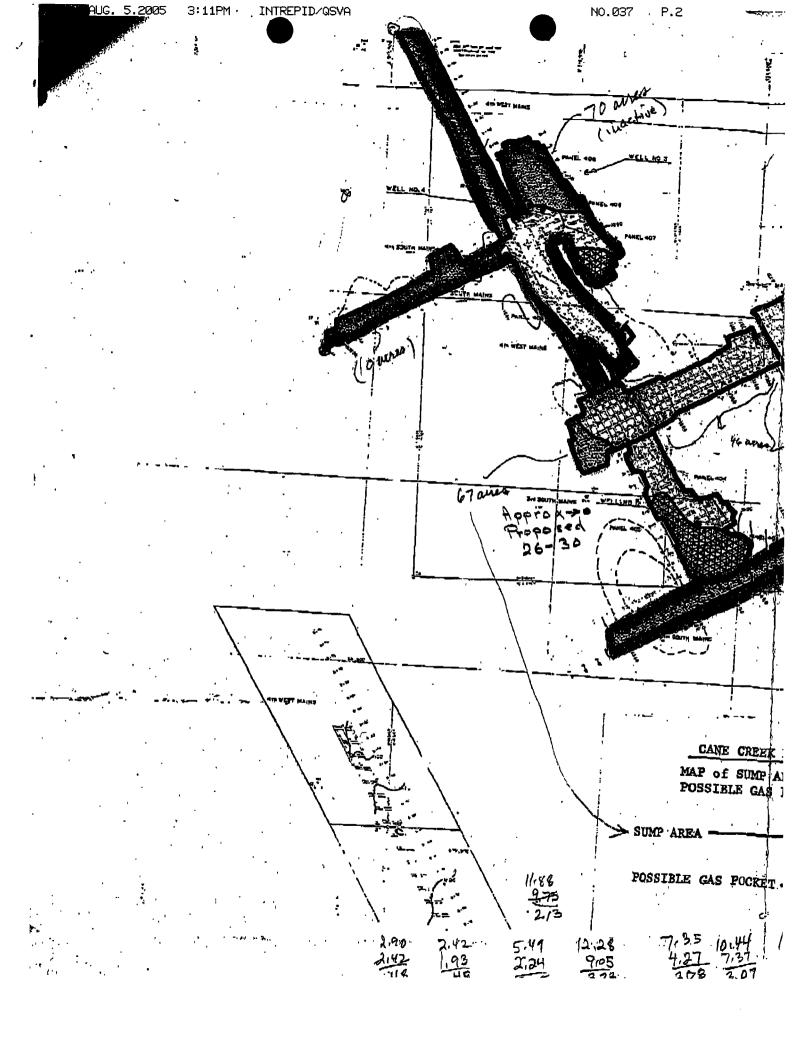
The structure contour lines on the old mine maps indicating the base if Clastic 4 demonstrate that all formations penetrated in the underground mine workings are sloping down toward the proposed well. Since there is no flow path for water to replenish in these low areas it is not possible for solution mining to progress in the direction of the proposed well. Therefore we feel confident that the proposed well bore at a distance of 688' away and down dip from the mine workings will not penetrate the old mine workings.

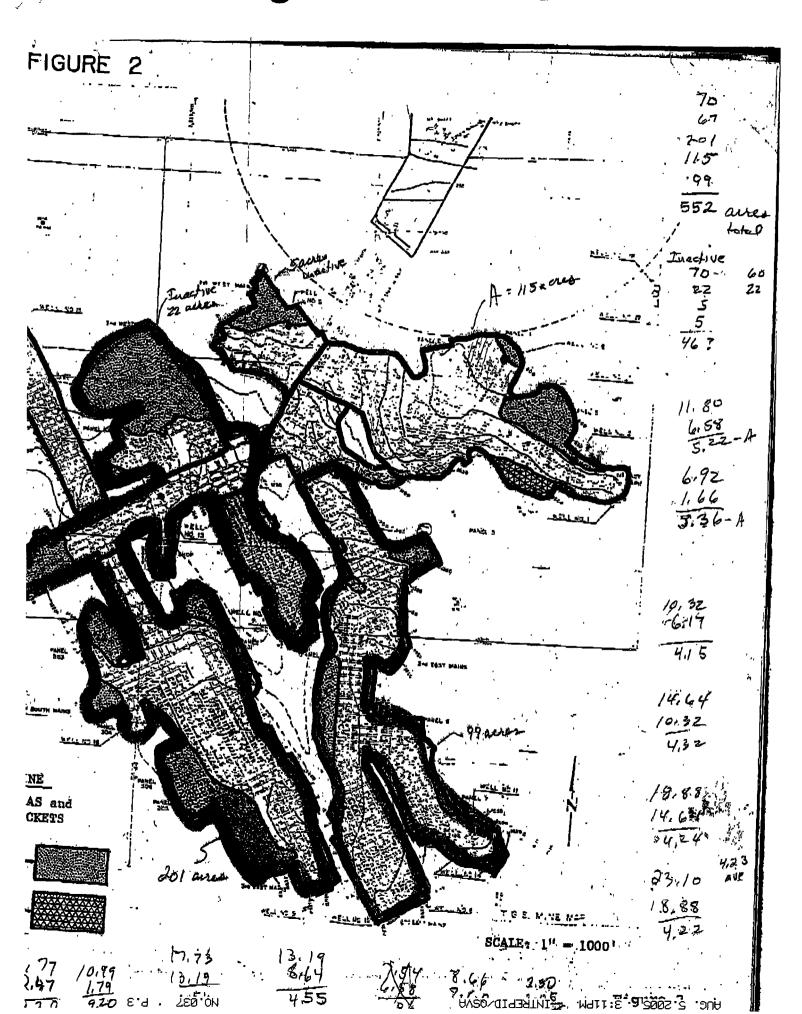
If the old mine workings are penetrated by the proposed well bore with a section of open hole above the mine exposed there is a potential for an uncontrolled water flow from the aquifers above to cross flow into the mine if penetrated. Stopping this cross flow will be very difficult. This uncontrolled flow of water would require cementing a string of casing through the old mine workings. Any attempting to cement a string of casing in the path of cross flow may not be possible and a flooded mine may be the result. Therefore we propose setting casing at the base of Clastic 3 in order to seal off all upper water zones to avoid this potential cross flow problem.

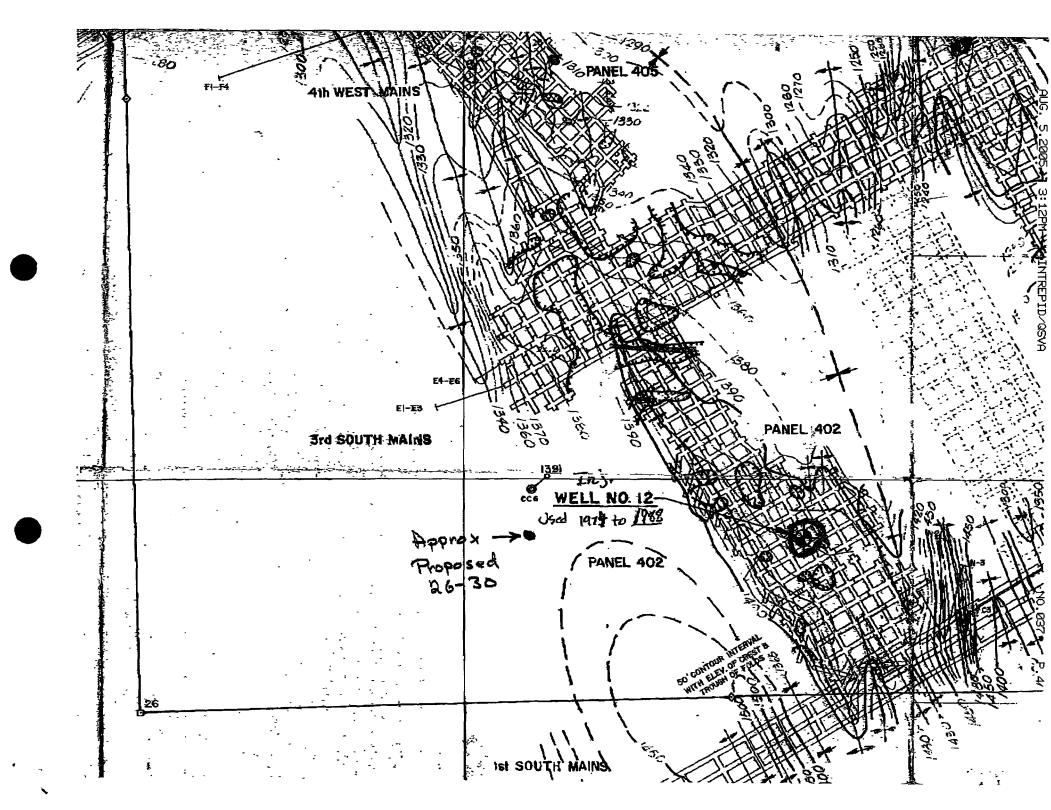
The maximum bottom hole pressure anticipated in this proposed well is 4900 PSI at 6600' TD. Using the drilling rig pumps Intrepid will perform a static pressure test to demonstrate formation integrity at 4900 PSI (14.2 PPG equivalent mud weight) equivalent at any point below the casing set at the base of Clastic 3. If the formation is not competent to withstand this pressure remedial procedures will be taken to bring the wellbore to this 4900PSI bottom hole pressure.

If the well is productive a string of 7" casing will be set and cemented a minimum of 100' above and below any potash bearing zones. This cemented casing should provide protection for future development and use of this resource.

If the well is non productive and abandonment is necessary cement plugs will be set 100' above and below to protect the potash zones for future development.







The proposed well-site is located on Fee Surface/State Minerals.

### 1. Estimated Tops/Geological Markers

The estimated tops of important geological markers are as follows:

Formation	Depth
Ground	4540'
Cutler/Elephant Canyon	0'-2459'
Top Salt	2459'
Clastic 3	2873'
Cane Creek (Clastic 21)	6290'-6390'
TD	6600'MD

# 2. <u>Estimated Depths and Names of Anticipated Water, Oil, Gas or Other Minerals Bearing Formations.</u>

Substance	Formation	Depth
Brine	Clastic 15	4800°
Oil	Cane Creek	6290' to 6390'

### 3. Well Control Equipment & Testing Procedures

Intrepid Oil & Gas, LLC's minimum specifications for pressure control equipment are as follows:

13 5/8" Annular- 3000# W.P. surface to top of Clastic 3.

Ram Type: 11" Hydraulic double, 5000 psi W.P. from top of Clastic 3 to TD.

Intrepid Oil & Gas, LLC will comply with all requirements pertaining to well control as listed in the Rule R649-3-7 of the Utah Division of Oil, Gas & Mining.

### 4. <u>Casing Program</u>

\*\*The proposed casing will be as follows:

Purpose	Depth	Hole Size	O.D.	Weight	Grade	Туре
Conductor	0-200'	24"	20"	94 #/ft	J-55	STC
Surface	0-2900°	12-1/4"	9-5/8"	40 #/ft	N-80	LTC
Production	2700'-5000'	8-1/2"	7"	26#/ft	J-55	LTC
Liner	5000'-6600'	8-1/2"	7"	26#/ft	N-80	LTC

<sup>\*\*</sup>Casing depths subject to revision based on geologic conditions encountered.

### 5.

### a. Cement Program

Conductor	Type & Amount				
0'-200'	175 sx Type III, at 14.8 ppg, yield 1.7 ft <sup>3</sup> /sk				
Surface	Type & Amount				
0'-2900'	Lead: 600 sx Type III, POZ @13.0 ppg. Yield 1.91 ft <sup>3</sup> /sk. Tail: 120 sx Type III, yield 1.64 ft <sup>3</sup> /sk, 14.8 ppg				
Production	Type & Amount				
2700'-6600' MD TOC @ 2700'	Tail: 450 sx Type III, yield 1.55 ft <sup>3</sup> /sk, 15 ppg				

### b. **<u>Drilling Fluids</u>**

The proposed circulating mediums to be employed in drilling are as follows:

Interval	Mud Type	Mud Weight	Viscosity	F/L	PH
0'-200'	Air or Fresh Water-Gel	8.8-9.4	30.38	20-30 сс	8.5
0'-2900'	Air or Salt Water or Fresh Water-Gel	8.8-10.0	30-38	20-30 сс	8.5
2900'- TD	Sat. Salt Water- Gel or Invert	10.8-15	35-55	10-20 cc	7-8

Monitoring Equipment: PVT, Flow Show, Super Choke

### 6. <u>Testing, Logging and Coring</u>

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are anticipated.
- b. The logging program will consist of a Caliper, Sonic/FMD/CNL, CBL and GR from TD to surface.
- c. No cores are anticipated.

### 7. Anticipated Pressures and H2S

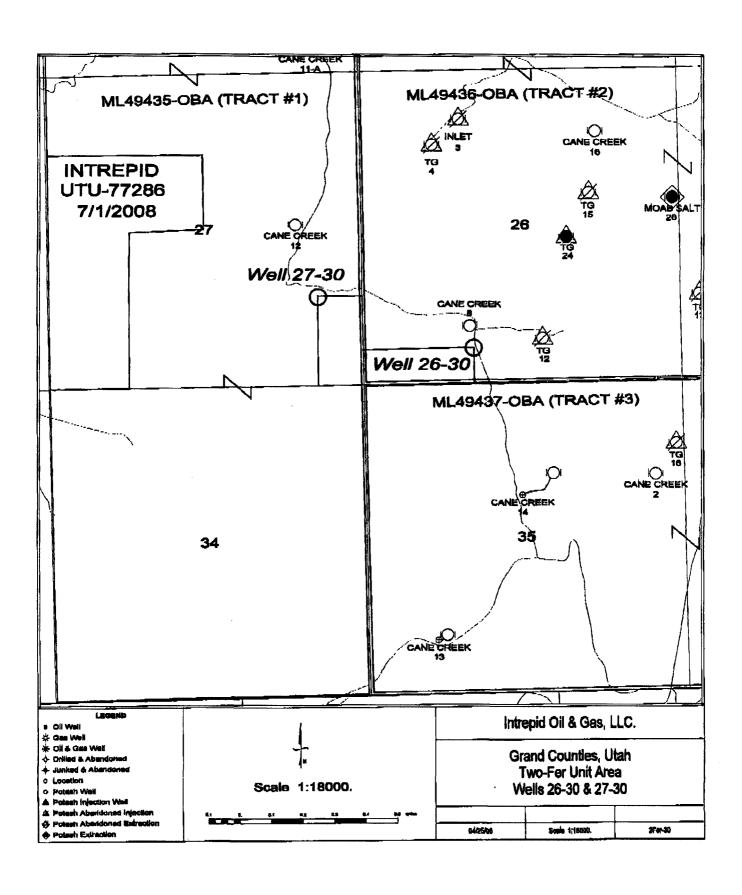
a. No H2S is expected. The maximum anticipated bottom-hole pressure is 4900 psi. The maximum bottom-hole temperature is 150 deg F.

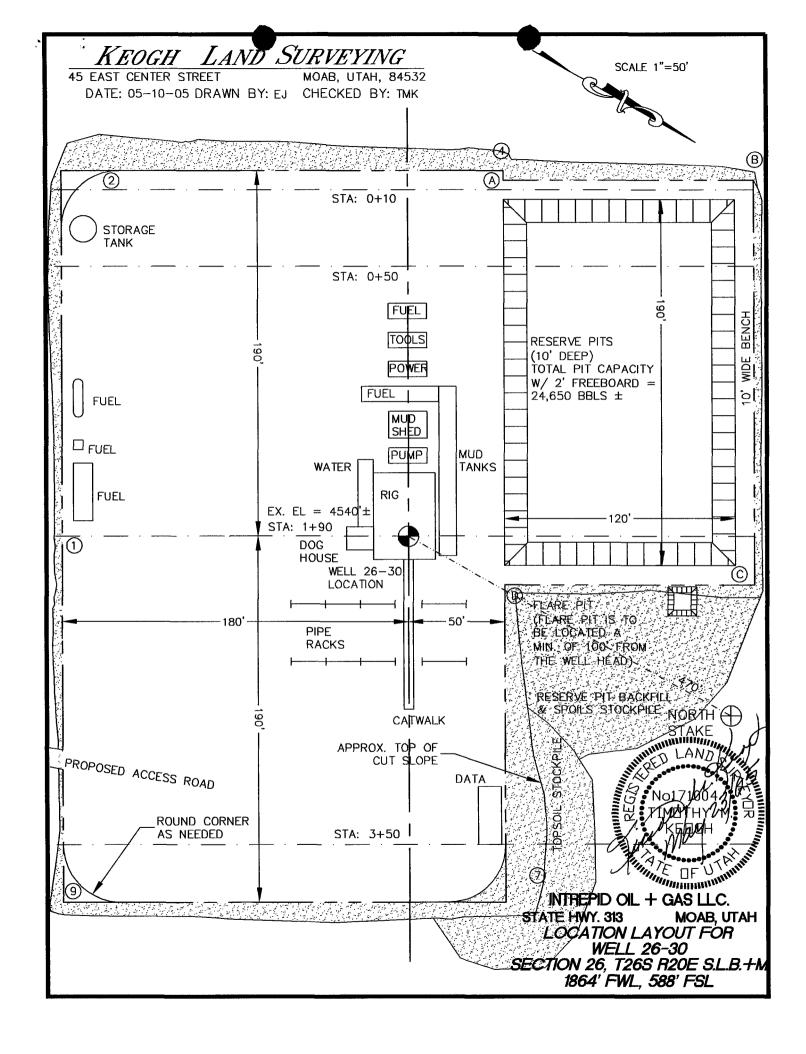
### 8. Water Source

a. All water used for the drilling of this well will be provided by the Colorado River permit #01-34.

### 9. Other Information

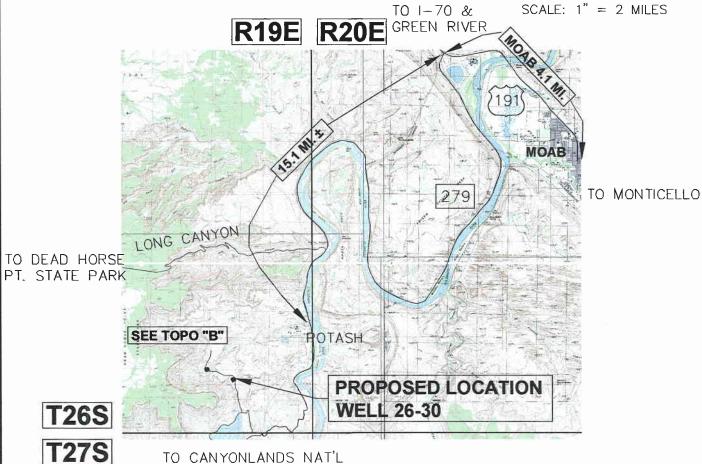
- a. Drilling is planned to commence as soon as possible.
- b. It is anticipated that the drilling of this well will take approximately 45 days.
- c. Following drilling and completion, portions of the pad not needed for production facilities will be reclaimed. If the well is plugged and abandoned the entire well-site will be reclaimed as per the requirements of DOGM.





# KEOGH LAND SURVEYING 45 EAST CENTER STREET MOAB, UTAH, 84532 DATE: 05-10-05 DRAWN BY: EJ CHECKED BY: TMK



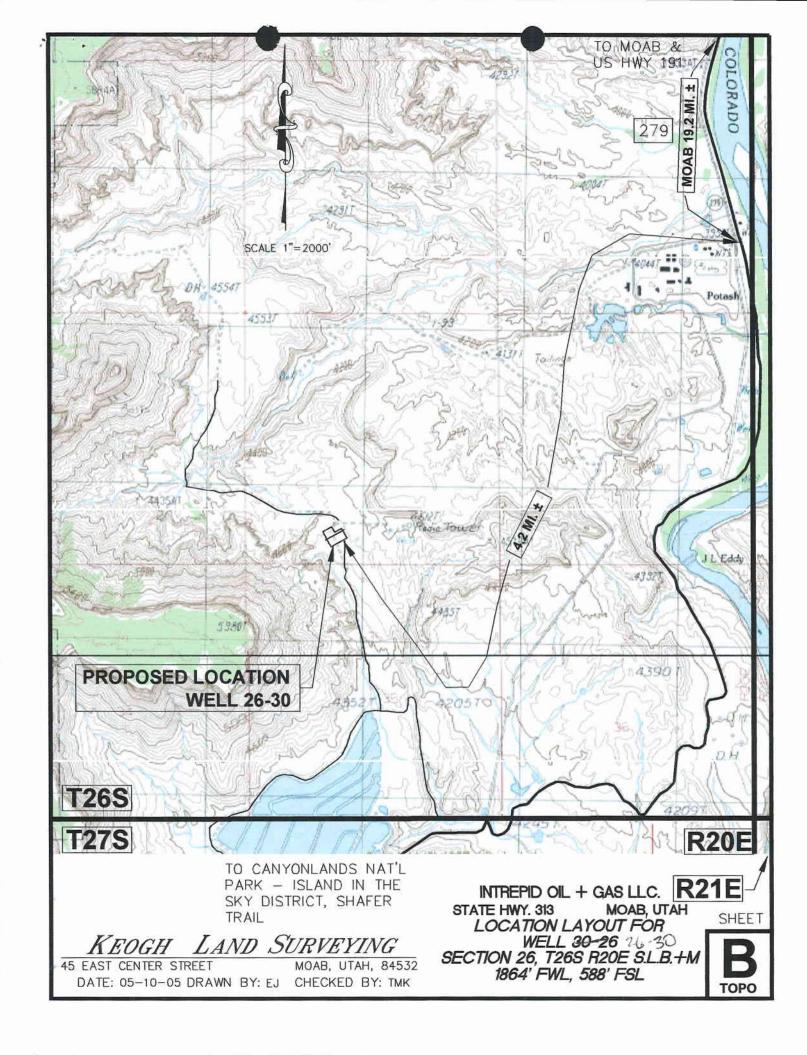


PARK - ISLAND IN THE SKY DISTRICT. SHAFER

TRAIL

INTREPID OIL + GAS LLC.
STATE HWY. 313 MOAB, UTAH
LOCATION LAYOUT FOR
WELL 26-30
SECTION 26, T26S R20E S.L.B.+M
1864' FWL, 588' FSL





APD RECEIV	ED: 06/01/2005	API NO. ASSIGNED: 43-019-31452				
OPERATOR:	TWO FER 26-30  INTREPID OIL & GAS LLC ( N6810 )  RICHARD MILLER	PHONE NUMBER: 3	03-296-3006			
PROPOSED L	OCATION: 26 260S 200E	INSPECT LOCATN	I BY: / ,	/		
	: 0588 FSL 1864 FWL 0588 FSL 1864 FWL	Tech Review	Initials	Date		
GRAND	0200 LOD 1004 LMD	Engineering	DKO	7/29/05		
WILDCAT	( 1 )	Geology				
	: 3 - State	Surface	-			
LEASE NUMBER: ML-49436-OBA  SURFACE OWNER: 4 - Fee  PROPOSED FORMATION: CNCR  COALBED METHANE WELL? NO		LATITUDE: 38.50677  LONGITUDE: -109.6833				
Plat Bond (No Pota  U Oil Wate (No RDCC (Da	<pre>ND/OR REVIEWED: : Fed[] Ind[] Sta[] Fee[] . SLCPPDX02790</pre>	R649-3-3. I	General From Qtr/Qtr & 920' Exception it	Between Wells		
COMMENTS:	ns: 1. Spacin 2-STA	Stip TEMENT OF				
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4- Cm	+ Stip#3 - 7" cemented b	ack to 12400' as	indicated			

T26S R20E	
27	26
TWO FER 26-3	30
GAS STORAGE  X LOCATION ABANDONED  NEW LOCATION  PLUGGED & ABANDONED  PRODUCING GAS  PRODUCING OIL  PI OIL  STORAGE  AA  ABANDONED  NF PP OIL  NF SECONDARY  IN  PRODUCING OIL  PI OIL  STORAGE  AA  AB  PI OIL  STORAGE  AB  AB  AB  PI OIL  STORAGE  AB  AB  AB  AB  AB  AB  AB  AB  AB  A	BANDONED CITIVE DIMBINED MACTIVE ROPOSED TORAGE ERMINATED  PREPARED BY: DIANA WHITNEY DATE: 13-JUNE-2005

### DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	Intrepid Oil & Gas, LLC	<u> </u>			_	,	
WELL NAME & NUMBER:	Two Fer 26-30						
API NUMBER:	43-019-31452						
T O C A TOTONI 1/4 1/4 CECTU C	OCTUD OCC DNC OCC	600 TOT	1064	T-11.7T			

**LOCATION**: 1/4,1/4 SESW Sec:26 TWP: 26S RNG: 20E 588 FSL 1864 FWL

### **Geology/Ground Water:**

This proposed well would spud into the Cutler Formation about 3,000' southwest of the mapped axis of the Cane Creek Anticline. The well doesn't appear to be designed as a directional well. In the near axial position it is reasonable to expect that jointing and attendant lost circulation may be encountered during drilling. A system of northwest-southeast trending joints, a subject of study and publication, has been mapped, which is roughly parallel to the axis of the anticline and about 2/3 mile to the northeast. No water rights have been filed with the Division of Water Rights for underground wells within a mile of the location. At this location significant fresh water is not likely to be encountered although sandstone strata in the Cutler Group Aquifer could potentially contain a ground water resource. No fresh water has been documented in any of these in the area, even when they have been encountered relatively near the surface. While there are no underground fresh water supply wells documented in the area, other wells exist within a mile of the location. The potash mining operation at Potash has installed solutionmining wells to extract evaporite minerals from the Pennsylvanian-age Paradox Salt. A well appearing within 1/4 mile to the east on the 7½' topographic map is likely to be a solution mining well. Another is about ¾ mile to the north-northwest. The limits and geometry of the solution caverns are not known. I have notified the Division Mining staff of this permit application (Susan White, 6/30/05). I recommend that the Operator (who is also the operator of the Potash solution mining operation) provide information regarding the dimensions of the solution caverns, if possible, the vertical separation of the solution operation vis a vis the Cane Creek pay (Clastic 21), the likelihood of drilling into a solution cavern, into communication with one, and also address the likelihood of receiving a gas kick while dealing with solution caverns and possible massive lost circulation. The proposed casing and cementing program, if successful and not compromised, should adequately protect any ground water resources encountered in the drilling of this well. The Colorado River is as close as about 1 1/3 miles to the east.

Reviewer:	Christopher J. Kierst	<b>Date</b> : July 1, 2005
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### Surface:

On-site conducted June 24, 2005. In attendance: Bart Kettle (DOGM), Richard Miller (Intrepid Oil & Gas, LLC), invited but choosing not to attend, Ed Bonner (SITLA) and Mary Hofhine (Grand County).

To assure that reserve pit does not develop problems with leaking and felt pad will be require in addition to a liner. Reserve pits will be fenced on all four sides upon the removal of the drilling rig.

Reviewer: Bart k	Cettle	Date: June 30, 2005	
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### Conditions of Approval/Application for Permit to Drill:

- 1. A synthetic liner with a minimum thickness of 12 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
- 2. Fence Reserve Pit on all four sides upon removal of drilling rig.

### STATE ACTIONS

### Resource Development Coordinating Committee Governor's Office of Planning and Budget 5110 State Office Building

### SLC, UT 84114

Phone N	No. 537-9230
1. State Agency Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	2. Approximate date project will start:  Upon Approval or June 27, 2005
3. Title of proposed action: Application for Permit to Drill	
4. Description of Project:	
Intrepid Oil & Gas, LLC proposes to drill the ML-49436-OBA, Grand County, Utah. This act of resource issues affecting state interests. The administrative agency in this action and must is	
5. Location and detailed map of land affected (si	ite location map required, electronic GIS map
preferred) (include UTM coordinates where possible) (indi 588' FSL 1864' FWL, SI Section 26, Township 26 South, 6. Possible significant impacts likely to occur:	
Surface impacts include up to five acres of sphase (estimated for five weeks duration). If oil location will be reclaimed back to a net disturbation	surface disturbance during the drilling and completion I and gas in commercial quantities is discovered, the ance of between one and two acres — not including or gas is discovered, the location will be completely
<ul> <li>7. Identify local government affected</li> <li>a. Has the government been contacted? No</li> <li>b. When?</li> <li>c. What was the response?</li> <li>d. If no response, how is the local government</li> </ul>	
8. For acquisitions of land or interests in land by representative and state senator for the project representative, state senator near project site, if a. Has the representative and senator been contained to the senator because the senator becau	area. Name and phone number of state applicable:
9. Areawide clearinghouse(s) receiving state acti Southeastern Utah Association of Gov	
10. For further information, contact:	11. Signature and title of authorized officer

**Diana Whitney** 

(801) 538-5312

Phone:

Gil Hunt, Acting Associate Director

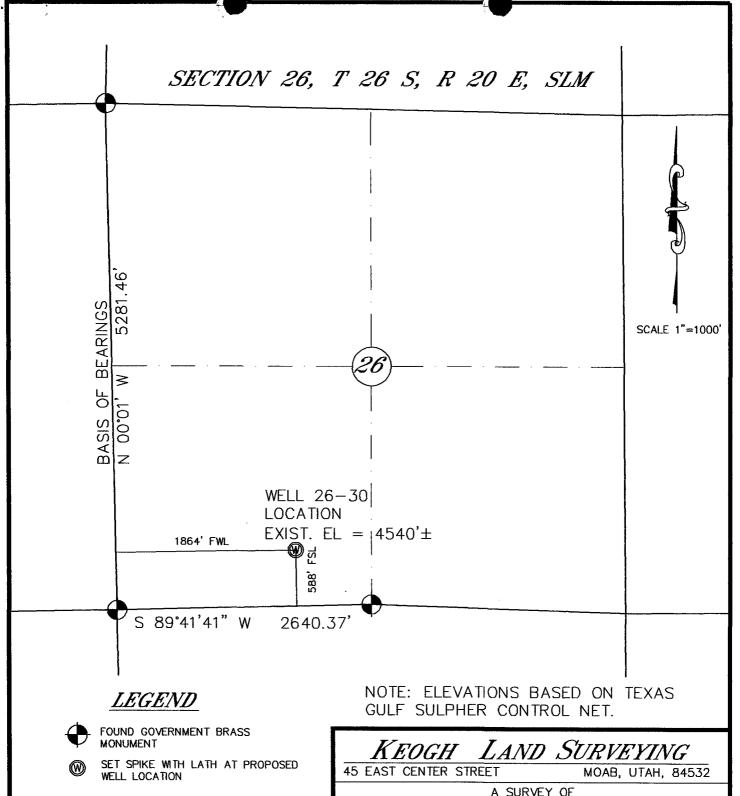
**Date:** June 13, 2005

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

FORM	3
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AMENDED REPORT (highlight changes)

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	Δ	PPLICA	TION FOR	PERMIT TO	O DRILL			5. MINERAL ML-494	LEASE NO:	6. SURFACE: Fee
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B. TYPE OF WE	ELL: OIL	GAS 🗌	OTHER	CIA	IGLE ZONE	7	}	8. UNIT or C	A AGREEMENT N	JAME:
2. NAME OF OPE				Sily	IGLE ZONE E	MULTIPLE ZON				
Intrepid Oil	& Gas, LLC	;					[		ME and NUMBER er 26-30	
3. ADDRESS OF	OPERATOR: St. Ste#1700	Don	ior	00 00		PHONE NUMBER:	_		ND POOL, OR WI	LDCAT:
	WELL (FOOTAGE:			ATE CO ZIP 80		(303) 296-3006		Wildca	t	
AT SURFACE:	588 FSL 18	864 FWL S		1806 X		506772	1	11. QTR/QT MERIDIA	R, SECTION, TOV N:	VNSHIP, RANGE,
	PRODUCING ZON		720	12459Y	-100	1.683322		SESW	26 268	3 20E
			AREST TOWN OR PO	OST OFFICE:				12 COUNT	r:	13. STATE:
	O NEAREST PROPE			1 40 14 44 550 0				Grand		UTAH
	-49437-OB/		. DIVE (F CET)	16, NUMBER O	F ACRES IN LEAS	-	17. NUI	ABER OF A	CRES ASSIGNED	TO THIS WELL:
18 DISTANCE TO	O NEAREST WELL	(DBILLING COM	PLETED, OR	19. PROPOSE	) DEDTU-	2490.32 acre				N/A
APPLIED FOR	R) ON THIS LEASE Dermitted for	(FEET)		J IS. T NOT COLL	JOCE III.	6 600		ID DESCRIE		
21. ELEVATIONS	(SHOW WHETHER	DF, RT, GR, ET	C.):	22. APPROXIM	ATE DATE WORK	6,600		300002	-	
4540' GR				7/25/200			•	iays	RATION:	
				<del></del>		· · · · · · · · · · · · · · · · · · ·				
24.	· · · · · · · · · · · · · · · · · · ·		PROPOS	SED CASING A	ND CEMENT	TING PROGRAM				
SIZE OF HOLE		RADE, AND WE	IGHT PER FOOT	SETTING DEPTH		CEMENT TYPE, QUA	WTITY, Y	ELD, AND S	LURRY WEIGHT	····
24"	20"	J-55	94 #/ft	200	Type III		17	5 sx	1.70 cf/sk	14.8 ppg
12-1/4"	9-5/8"	N-80	40 #/ft	2,900	Type III	Le	ad: 60	0 sx	1,91 cf/sk	
					Type III	T	ail: 12	0 sx	1.64 cf/sk	
8-1/2"	7"	J-55	26 #/ft	5,000	Type III	Т	ail: 45	0 sx	1.55 cf/sk	15.0 ppg
8-1/2"	7"	N-80	26 #/ft	6,600	Type III	Т	ail: 45	0 sx	1.55 cf/sk	15.0 ppg
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25.				ATTA	CHMENTS					
VERIFY THE FOL	LOWING ARE ATTA	ACHED IN ACCO	RDANCE WITH THE	UTAH OIL AND GAS C	ONSERVATION GI	ENERAL RINES:				<del></del>
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_			ED SURVEYOR OR E		☑ com	PLETE DRILLING PLAN				
EVIDENC	E OF DIVISION OF	WATER RIGHTS	APPROVAL FOR US	E OF WATER	FOR	M 5, IF OPERATOR IS PER	RSON OR	COMPANY	OTHER THAN THE	E LEASE OWNER
	· · · · · · · · · · · · · · · · · · ·									
NAME (PLEASE I	Richard	Miller			TITLE	Special Project	is Man	ager		
SIGNATURE	tiela	2 m	N. OC	Des .	DATE	5/25/2005				
(This space for State	te use only)									
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API NUMBER ASS	SIGNED: 4	3-019	31452	-	APPROVAL:			M	ECEIV	
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TIMOTHY M. KEOGH & No171004 P. W. TIMOTHY M. REDGH

DATE

DATE

TO THE OF UTANTING

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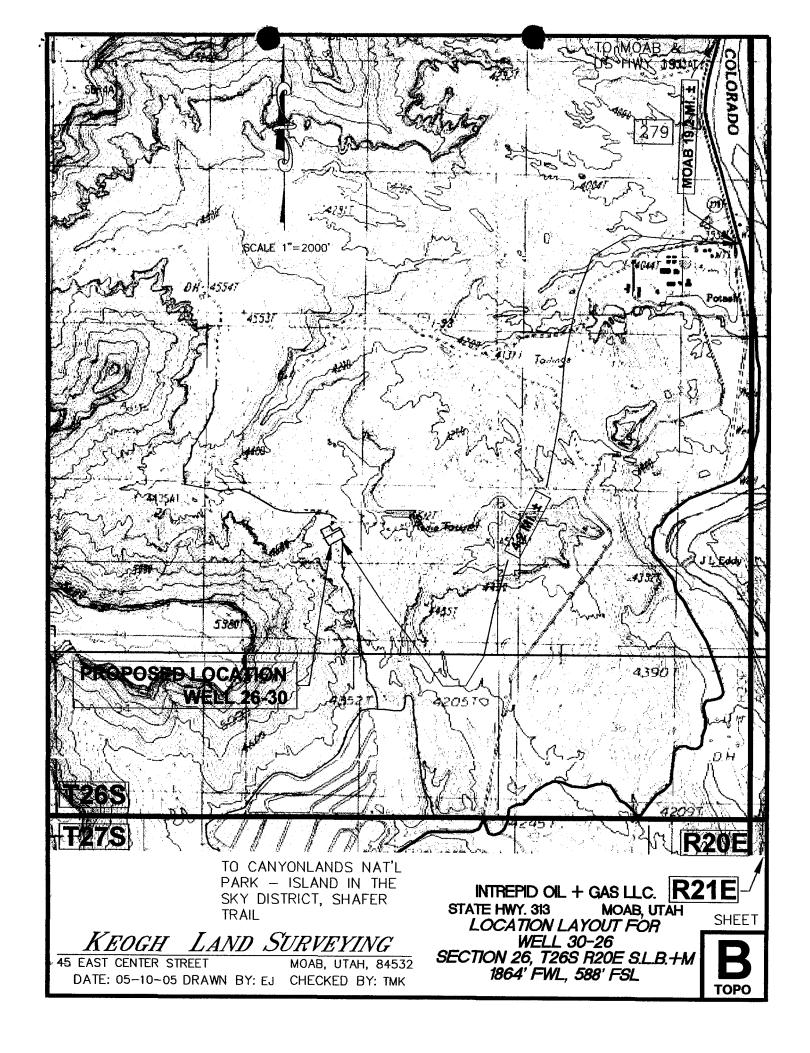
### WELL 26-30

WITHIN SECTION 26, T 26 S, R 20 E, SLM, GRAND COUNTY, UTAH

PREPARED FOR

INTREPID OIL & GAS, LLC.

DATE: 5-10-05	DRAWN BY: EJ	CHECKED BY: TMK
SCALE: 1"=1000'	F.B.# 141	INTREPIDO51005



From:

Robert Clark

To:

"CarolynWRIGHT@Utah.gov".mime.MNET; Whitney, Diana

Date:

6/20/2005 8:47:41 AM

Subject:

Re: New RDCC Projects Notice (06/19/2005)

The following comments are submitted for short turn around items RDCC #5329 Permit to Drill Two Fer 26-30 wildcat well and RDCC #5333 Permit to Drill NFC Horse Point State #11-6 wildcat well. Comments are applicable to both items.

Comments begin: The proposed well drilling project, in Grand County, may require a permit, known as an Approval Order, from the Utah Division of Air Quality if any compressor stations are constructed at the site. A permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, SLC, UT, 84116 for review according to the Utah Air Conservation Rule R307-401. Permit: Notice of Intent and Approval Order. The proposed project is subject to Utah Air Conservation Rule R307-205-3, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Division of Air Quality, but steps need to be taken to minimize fugitive dust, such as, watering and/or chemical stabilization, providing vegetative or synthetic cover and windbreaks. A copy of the rules are found at www.rules.utah.gov/publicat/code/r307/r307.htm . Comments end.

Robert Clark Utah Division of Air Quality 536-4435

>>> Carolyn Wright <CarolynWRIGHT@Utah.gov> 6/19/2005 10:20 AM >>>

New projects received between June 13, 2005 and June 19, 2005 Please mark each project you will be commenting on and reply to this message. New project details can be found on our website

Other Proposed Actions Project Number: 5335

Sponsor: USDA/Forest Service - Dixie Natl Forest

SLB&M:

Counties Affected:

Description: Sunset Cliffs North Fuels Reduction Project

Will Comments Due to GOPB 06/24/2005Project Number: 5330

Sponsor: Trust Land Administration

SLB&M:

Counties Affected: Tooele Description: TAD Block

Will Comments Due to GOPB 07/06/2005 Project Number: 5324

Sponsor: Trust Land Administration

SLB&M: Sec. 36, T6S, R20E; Sec. 2, T7S, R20E

Counties Affected: Uinta Description: Easement 1013

Will Comments Due to GOPB 07/06/2005 Project Number: 5327

Sponsor: Trust Land Administration SLB&M: Sec. 27, 34, 35,T26S, R22E Counties Affected: Grand, San Juan Description: Spanish Valley Residential

Will Comments Due to GOPB 07/06/2005 Project Number: 5337

Sponsor: DOI/BOR

SLB&M:

Counties Affected:

Description: Colorado River Reservoir Operations: Development of Management Strategies for Lake Powell and Lake Mead Under Low Reservoir Conditions. Federal Register Notice dated 6/15/05, page 34794.

Will Comment Comments Due to GOPB 08/24/2005

Short Turn Around Project Number: 5333

Sponsor: Division of Oil, Gas and Mining

SLB&M: Sec. 6, T16S, R24E Counties Affected: Grand

Description: Application for Permit to Drill - proposal to drill a wildcat well, the NFC Horse Point State #11-

6 on State lease ML-49825

Will Comment Comments Due to GOPB 06/16/2005Project Number: 5329

Sponsor: Division of Forestry, Fire and State Lands

SLB&M: Sec. 26, T26S, R20E Counties Affected: Grand

Description: Application for Permit to Drill - proposal to drill a wildcat well, the Two Fer 26-30 on State

lease ML-49436-OBA

Comments Due to Sponsor 06/28/2005 Project Number: 5340 Sponsor: Department of Environmental Quality/Div. of Water Quality

SLB&M:

Counties Affected: Wasatch

Description: Public Notice for Renewal of Ground Water Discharge Permit No. UGW510004

Comments Due to Sponsor 06/30/2005

Stream Alterations Project Number: 5321

Sponsor: Division of Water Rights SLB&M: Sec. 23, T3S, R1W Counties Affected: Salt Lake

Description: Midas Creek (No. 05-59-06SA) - removal culvert Comments Due to Sponsor 06/29/2005Project Number: 5322

Sponsor: Division of Water Rights SLB&M: Sec. 12, T13N, R3E Counties Affected: Cache

Description: Logan River (No. 05-25-11SA) - reinforce bridge Comments Due to Sponsor 06/29/2005 Project Number: 5331

Sponsor: Division of Water Rights SLB&M: Sec. 32, T3S, R1E Counties Affected: Salt Lake

Description: Corner Canyon Creek (No. 05-57-16SA) - add precast bridge

Comments Due to Sponsor 07/04/2005 Project Number: 5332

Sponsor: Division of Water Rights SLB&M: Sec. 17, T23S, R1W Counties Affected: Sevier

Description: Peterson Creek (No. 05-63-02SA) - utility crossing

Comments Due to Sponsor 07/03/2005

**Environmental Quality** Project Number: 5328

Sponsor: Department of Environmental Quality

SLB&M:

Counties Affected:

Description: One Public Notice (DAQE-NN2422002-05) - air quality permit

Comments Due to Sponsor 06/13/2005Project Number: 5323

Sponsor: Department of Environmental Quality

SLB&M:

Counties Affected: Salt Lake

Description: One Public Notice (DAQE-NN31202110-05) - air qiality permit

Comments Due to Sponsor 06/13/2005 Project Number: 5334

Sponsor: Department of Environmental Quality

SLB&M:

Counties Affected: Salt Lake

Description: Onr Public Notice (DAQE-NN3116001-05) - air quality permit

Comments Due to Sponsor 06/16/2005 Project Number: 5339

Sponsor: Department of Environmental Quality

SLB&M:

Counties Affected:

Description: One Public Notice (DAQE-NN0129012-05) - air quality permit

Comments Due to Sponsor 06/16/2005

Information

Project Number: 5326 Sponsor: DOI/BLM

SLB&M:

Counties Affected:

Description: Potential for Oil Shale Development; Call for Nominations--Oil Shale Research, Development

and Demonstration (R, D & D) Program. Federal Register Notice dated 6/9/05, page 33753.

Comments Due to Sponsor 06/13/2005Project Number: 5325

Sponsor: DOI/BLM

SLB&M:

Counties Affected:

Description: Notice of Resource Advisory Committee Meeting. Federal Register Notice dated 6/9/05, page

33753.

Comments Due to Sponsor 06/13/2005 Project Number: 5336

Sponsor: Environmental Protection Agency

SLB&M:

Counties Affected:

Description: Waste Management System; Testing and Monitoring Activities; Final Rule: Methods Innovation Rule and SW-846 Final Update IIIB - Final rule. Federal Register Notice dated 6/14/05, page

34538.

Comments Due to Sponsor 06/16/2005 Project Number: 5338

Sponsor: Environmental Protection Agency

SLB&M:

Counties Affected:

Description: Hazardous waste Management System; Modification of the Hazardous Waste Manifest

System; Correction. Federal Register Notice dated 6/16/05, page 35034.

Comments Due to Sponsor 06/16/2005

CC:

Mcneill, Dave

# ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: Intrepid Oil & Gas, LLC

**WELL NAME & NUMBER:** Two Fer 26-30

**API NUMBER:** 43-019-31452

LEASE: State FIELD/UNIT: Wildcat

LOCATION: 1/4,1/4 SESW Sec: 26 TWP: 26S RNG: 20E 588 FSL 1864 FWL

LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.

**GPS COORD (UTM)**: X =614816 E; Y =4262665 N

SURFACE OWNER: Intrepid Oil & Gas, LLC

### **PARTICIPANTS**

Bart Kettle(DOGM), and Richard Miller (Intrepid Oil & Gas, LLC) invited but choosing not to attend Ed Bonner (SITLA) and Mary Hofhine (Grand County).

### REGIONAL/LOCAL SETTING & TOPOGRAPHY

Proposed location is ~4 miles from Potash, in Grand County Utah. On a regional setting the well site is located in the northern portion of what is often referred to as the Canyonlands Region of the Colorado Plateau. Topography in this area is generally a series of large sandy mesas falling off into steep canyons comprised of alternating layers of sandstone and shale. The climate within this region is arid, and vegetation is generally sparse. This proposed location sits at the base of a large series of sandstone ledges falling off from Deadhorse Point into the Colorado River corridor. The area this well is located in is classified as a 6-8" precept zone, vegetation is sparse and soils are poor being comprised mainly of bedrock and rock fragments. Blackbrush and salt scrub rangelands surround the well site. Topography immediately adjacent to the well is predominantly small mesas falling off into the Colorado River within two miles. Water drainage is to the southwest entering the Colorado River within two miles. There where no perennial streams or springs observed in close proximity to the location. Drainages in the immediate area are dry washes, flowing water during the extreme rain events of the monsoon season. Active potash mining operations surround the well site on three sides including: roads, pipelines and an extensive network of evaporation basins.

#### SURFACE USE PLAN

CURRENT	SURFACE	USE:	Mining	and	wildlife	habitat.	

PROPOSED SURFACE DISTURBANCE: 380' x 350'

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: None

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Production facilities such as separators, dehydrators and production tanks will be on location.

ANCILLARY FACILITIES: None required

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? (EXPLAIN): Drilling at this location has the potential to generate considerable public concern due to the scrutiny being place on activities within the Canyonlands Region of the Colorado Plateau. Mineral exploration in this area is not a new activity as potash is being actively mined at this location.

### WASTE MANAGEMENT PLAN:

Garbage and other trash will be contained in an acceptable trash container. Refuse will be transported to an approved sanitary landfill.

Reserve pit will be fenced on three sides prior to use and on the forth side upon removal of drilling rig. Drill cuttings will be constrained in the reserve pit. Produced liquid hydrocarbons will be constrained in test tanks during completion and testing.

### ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: No floodplains or wetlands will be affected by the drilling of this well. The Colorado River is located in relatively close proximity to the well site, however it is not expected that materials from drilling and production operations will enter the waters of the Colorado River in any form. Current mining evaporation basins are located down drainage from the well site between it and the waters of the Colorado River.

FLORA/FAUNA: Desert bighorn sheep, jack and cottontail rabbits, neo-tropical songbirds, raptors, rodents, snakes and lizards.

Grasses: Cheatgrass, muhly spp, needle and thread grass, and curly galleta. Forbs: Navajo prairie clover, Spiny phlox, Aster spp, vetch spp, evening primrose, and desert plantain. Shrubs: Mormon tea, blackbrush, shadescale, Douglas rabbitbrush, and greenstem rubber rabbitbrush. Trees: Single leaf ash, and Rocky Mountain Juniper.

SOIL TYPE AND CHARACTERISTICS: <u>Mixture of sand and silty clays</u>, high composition of sandstone bedrock.

SURFACE FORMATION & CHARACTERISTICS: Cutler/Elephant Canyon. Predominantly exposed bedrock with poorly developed wind blown soils. Soils are erosive in nature due to lack of litter/vegetation over surface area.

EROSION/SEDIMENTATION/STABILITY: <u>Fine soils prone to wind and water erosion</u>. Excessive sedimentation and erosion above current rate is not expected.

PALEONTOLOGICAL POTENTIAL: None noted

### RESERVE PIT

CHARAC	CTERISTICS:_	190′	x120	) <b>'</b>				
LINER	REQUIREMENT	S (S	ite	Ranking	Form	attached):	Required	

### SURFACE RESTORATION/RECLAMATION PLAN

Back-filling, leveling and re-contouring will be accomplished after the completion of drilling operations if the well is plugged. If the well is a commercial well the unused portions of the location will be leveled and reseeded. Seeding will be completed during the fall period to insure the best growth potential.

SURFACE AGREEMENT: Operator is the surface owner.

CULTURAL RESOURCES/ARCHAEOLOGY: None observed.

### OTHER OBSERVATIONS/COMMENTS

Due to high composition of solid rock at the well site blasting is anticipated to build location. Reserve pit will require liner and felt pad to protect against puncture from fractured rock and prevent pit from leaking.

### ATTACHMENTS

Photos	of	this	location	were	taken	and	placed	on	file.		
											_
	B	Bart E	<u>Kettle</u>			Jι	ine 30,	200	)5, 9:44	1	
DO	OGM	REPRE	ESENTATIVI	Ξ			D <i>I</i>	ATE/	TIME		

### Evaluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet) >200	0	
100 to 200 75 to 100	5 10	
25 to 75 <25 or recharge area	15 20	0
Distance to Surf. Water (feet) >1000	0	
300 to 1000 200 to 300	2 10	
100 to 200 < 100	15 20	0
Distance to Nearest Municipal		
Well (feet) >5280	0	
1320 to 5280 500 to 1320	5 10	
<500	20	0
Distance to Other Wells (feet) >1320	0	
300 to 1320 <300	10 20	0
	20	0
Native Soil Type Low permeability	0	
Mod. permeability High permeability	10 20	10
Fluid Type		
Air/mist Fresh Water	0 5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid containing significant levels of	15	
hazardous constituents	20	5
Drill Cuttings Normal Rock	0	
Salt or detrimental	10	10
Annual Precipitation (inches)	0	
<10 10 to 20	0 5	
>20	10	0
Affected Populations <10	0	
10 to 30 30 to 50	6	
>50 00 50	8 10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown Present	10 15	0

Sensitivity Level I = 20 or more; total containment is required, consider criteria for excluding pit use. Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.

\_\_\_\_25 (Level \_\_\_III \_\_ Sensitivity)

Final Score



### UTAH DIVISION OF WATER RIGHTS

### **WRPLAT Point of Diversion Query Program**

Version: 2004.12.30.00

Rundate: 06/30/2005 05:05 PM

**Section Query Page** 

Search	Browse	Bearing Calculator	Location Calculator	Quit
		Dealing Calletiates	Education Calculator	Gaic

Fill in the information below and press either the **Search** or **Browse** button to perform a point of diversion search using a radius from a point.

Hint: Browse allows you to zoom and pan to customize the map display area before printing, Search goes straight to the print ready screen.

Search Ra	adius (fe	eet): <b>5280</b>				
from a pe	oint loca	ated North	588	feet	East 💌 1864	feet
		orner, Sec	Total Control of the			
Township	26S 🔻 ,	Range 20E	, SL 🔻	b&m.		

QUERY TYPE LIMITATIONS								
STATUS OF RIGHT	TYPE OF DIVERSION	APPLICATION TYPE	WATER USE TYPE					
✓ Unnapproved	☑ Underground	Water Right	☑ Irrigation					
☑ Approved	☑ Surface	☑ Changes	Stock     Water					
□ Perfected	□ Springs	☑ Exchanges	□ Domestic					
☐ Terminated	☑ Drains	☐ Test Wells	Municipal      ✓					
	Point to Point	☐ Sewage Reuse	Mining					
			Power     Power					
			○ Other					

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utah

State Online Services

**Agency List** 

Business.utah.gov

Search Utah.gov

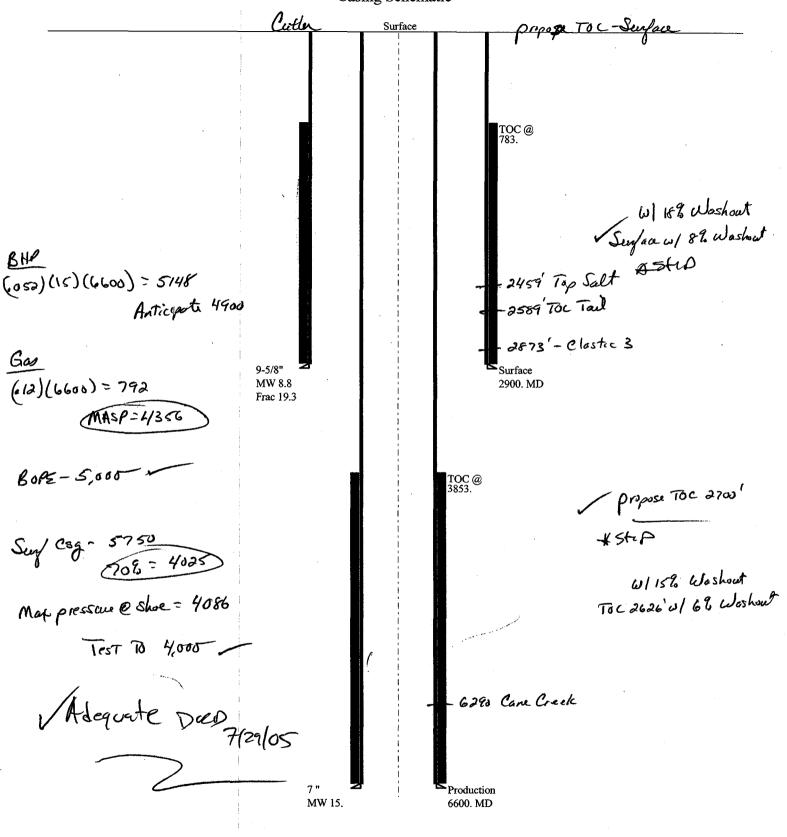
## UTAH DIVISION OF WATER RIGHTS

# Sorry. No diversion points. Try browsing!

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# 07-05 Intrepid Two Fer 26

**Casing Schematic** 



Well name:

07-05 Intrepid Two Fer 26-30

Operator:

Intrepid Oil & Gas, LLC

String type:

Surface

Project ID:

43-019-31452

Location:

**Grand County** 

Minimum design factors: **Environment:** 

**Design parameters: Collapse** 

Mud weight:

Collapse: Design factor

H2S considered?

No

8.800 ppg

1.125

Surface temperature:

75 °F

Design is based on evacuated pipe.

Bottom hole temperature: Temperature gradient: Minimum section length:

116 °F 1.40 °F/100ft 350 ft

**Burst:** 

Design factor

1.00

Cement top:

783 ft

**Burst** 

Max anticipated surface

pressure: Internal gradient:

Calculated BHP

2,552 psi 2,900 psi

0.120 psi/ft

Tension:

1.80 (J)

Non-directional string.

No backup mud specified.

8 Round STC:

8 Round LTC: 1.80 (J) **Buttress:** 1.60 (J) Premium: 1.50 (J)

Body yield: 1.50 (B) Re subsequent strings:

Completion type is subs

6,600 ft

Tension is based on buoyed weight. Neutral point: 2,520 ft

Next setting depth: Next mud weight: Next setting BHP:

15.000 ppg 5,143 psi

Fracture mud wt: Fracture depth: Injection pressure 19.250 ppg 2,900 ft 2,900 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2900	9.625	40.00	N-80	LT&C	2900	2900	8.75	230.6
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (Kips)	Strength (Kips)	Design Factor
1	1326	3090	2.331	2900	5750	1.98	101	737	7.31 J

Prepared

Clinton Dworshak Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 801-359-3940

Date: July 6,2005 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2900 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

07-05 Intrepid Two Fer 26-30

Operator:

Location:

Intrepid Oil & Gas. LLC

String type:

Production

**Grand County** 

Project ID:

43-019-31452

Design parameters:

**Collapse** 

Mud weight:

15.000 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125 **Environment:** 

H2S considered? Surface temperature: No 75 °F

Bottom hole temperature: Temperature gradient:

167 °F 1.40 °F/100ft

Minimum section length: 1,500 ft

**Burst:** 

Design factor

1.00

1.80 (J) 1.80 (J)

1.60 (J)

Cement top:

3,853 ft

**Burst** 

Max anticipated surface

pressure:

4,351 psi

Internal gradient: Calculated BHP

0.120 psi/ft 5,143 psi

No backup mud specified.

**Tension:** 

8 Round STC: 8 Round LTC:

**Buttress:** 

Premium: Body yield:

1.50 (J) 1.50 (B)

Completion type is subs

Non-directional string.

Tension is based on buoyed weight. Neutral point: 5,107 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
2	5000	7	26.00	J-55	LT&C	5000	5000	6.151	262.1
1	1600	7	26.00	N-80	LT&C	6600	6600	6.151	83.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
2 1	3896 5143	4314 5410	1.107 1.052	4951 5143	4980 7240	1.01 1.41	`133´ 3	`367 <sup>*</sup> 519	2.76 J 99.99 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 801-359-3940

Date: July 6,2005 Salt Lake City, Utah

Collapse is based on a vertical depth of 6600 ft, a mud weight of 15 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.



The Intrepid Companies 700 17th Street, Suite 1700 Denver, CO 80202 303.296.3006 303.298.7502 fax

June 9, 2005

Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801

Attention: Diana Whitney

Re:

Two-Fer 26-30 Well

Township 26 South, Range 20 East Section 26: 588' FSL 1864' FWL

Grand County, Utah

Dear Ms. Whitney:

Intrepid Potash – Moab, LLC ("IPM") is the owner of 100% of the surface rights covering the referenced drillsite location. Intrepid Oil & Gas, LLC ("IOG"), the Operator of the proposed well and IPM are separate Colorado Limited Liability Company's which are owned by the same Managing Members. Accordingly, it will not be necessary to negotiate a Surface Agreement for the referenced well.

Should you or your staff require additional information, please do not hesitate to call me at (303) 881-5440.

Sincerely,

INTREPID OIL & GAS, LLC

Katie Keller Landman

/kk

# SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

JERRY McNeeley CHAIRMAN

William D. Howell **EXECUTIVE DIRECTOR** 

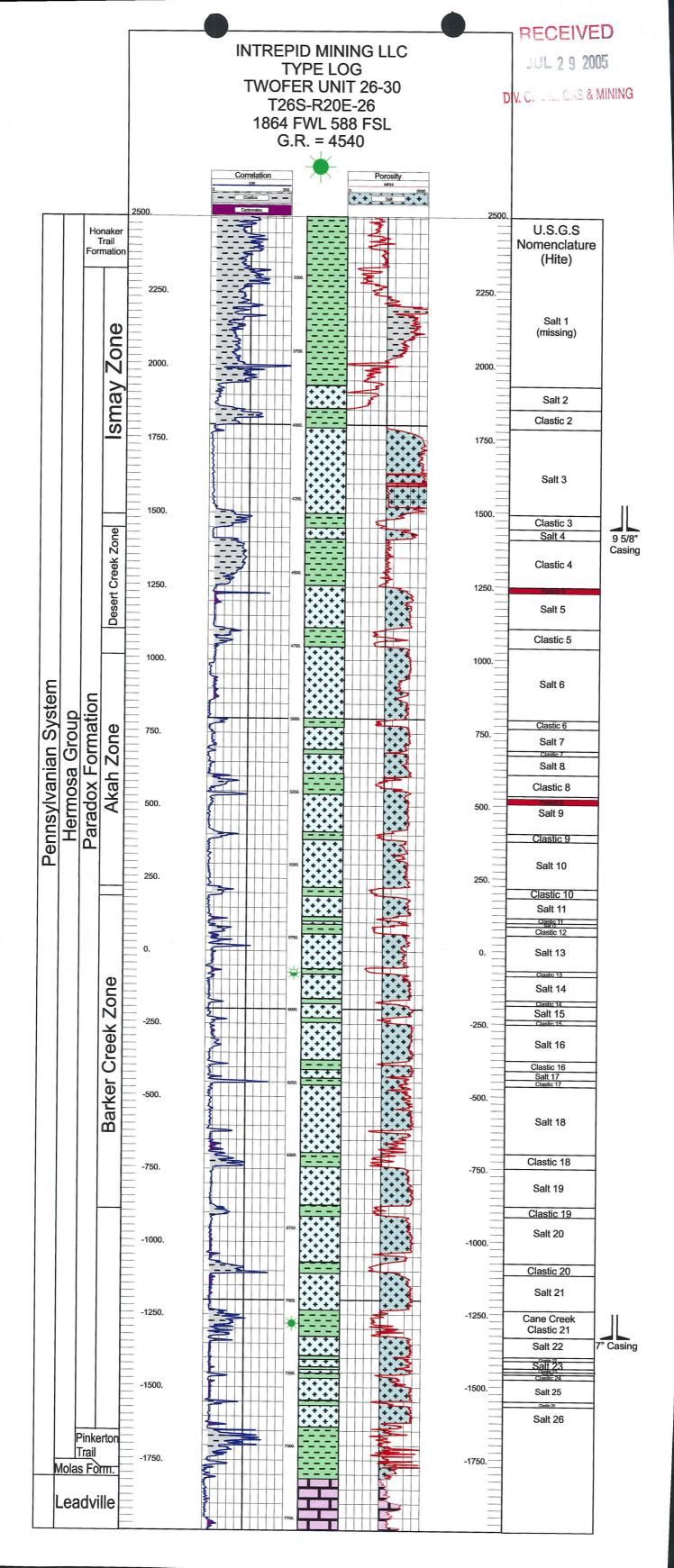


375 South Carbon Ave. P.O. DRAWER 1106 PRICE, UTAH 84501 (435) 637-5444 FAX (435) 637-5448

## AREA WIDE CLEARINGHOUSE REVIEW

Federal Action State Acti	on x App	roved (x	) Yes ( ) No
Other (indicate)			
Applicant Address:			
Oil, Gas and Mining			
1594 West North Temple #1210			
SLC, UT 84114-5801	Name/Phone #	Diana Whitne	y 801-538-5312
Title/Project Description Applicatio	n for Permit to Drill - In	trepid Oil & Gas	LLC - Exploratory
will be Sec 26, T26S, R20E, Grand County	•		
[ ] No Comment [ ] See comment below  Comments: Favorable comment recom	mended.	,	
Lorraine Berryhiel	6/16/2005		
SEUALG	DATE		RECEIVED JUN 2 / 2005

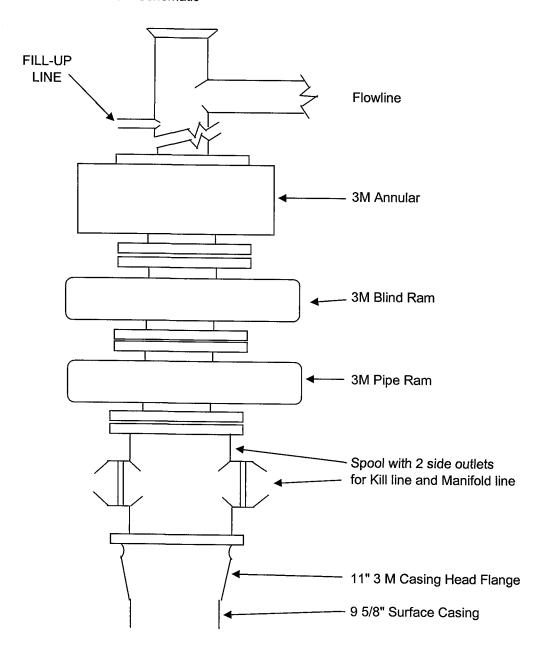
DIV. OF OIL, GAS & MINING



Intrepid Oil and Gas LLC Two Fer 27-30 Well 3M BOP Schematic RECEIVED

JUL 2 9 2005

DIV. OF OIL, GAS & MINING

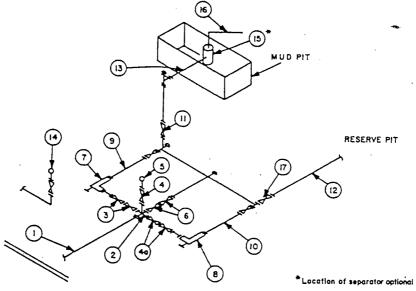


## MINIMUM CHOKE MANIFOLD 3,000, 5,000 and 10,000 PSI Working Pressure

3 MWP - 5 MWP - 10 MWP

RECEIVED JUL 2 9 2005

DIV. OF OIL, GAS & MINING



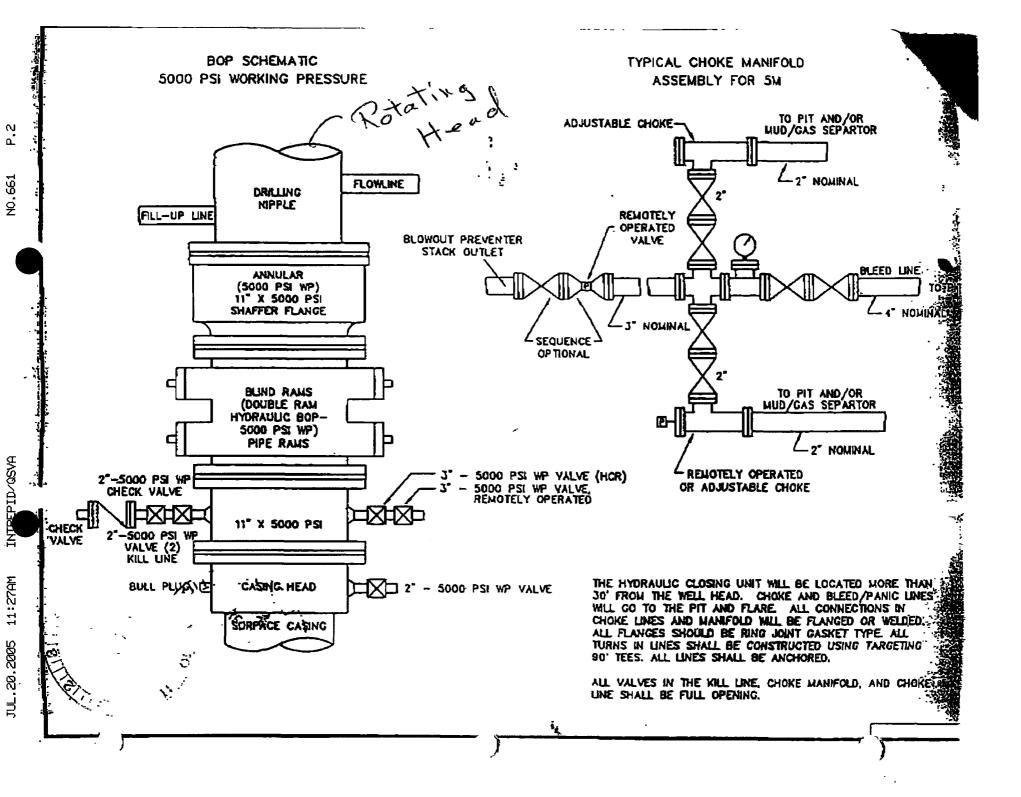
B	ΕY	0.1	N D	SU	RST	BH	CT'U	9 F

	· · · · · · · · · · · · · · · · · · ·		MINII	MUM REQU	JIREMENT	S				
			3,000 MWP		5,000 MWP			10,000 MWP		
No.		1.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING	1.D.	NOMINAL	RATING
1	Line from drilling spool		3″	3,000		3"	5,000		3*	10.000
2	Cross 3"x3"x3"x2"			3,000			5,000			
	Cross 3"x3"x3"x3"									10,000
3	Valves(1) Gate □ Plug □(2)	3-1/8*		3,000	3-1/8"		5,000	3-1/8*		10,000
4	Valve Gate □ Plug □(2)	1-13/16*		3,000	1-13/16*		5,000	1-13/16*		10,000
4a	Valves(1)	2-1/16"		3,000	2-1/16"		5,000	3-1/8"	1	10,000
5	Pressure Gauge			3,000		<del>                                     </del>	5,000			10.000
6	Vaives Gate □ Plug □(2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"		10,000
7	Adjustable Choke(3)	2"		3,000	2"		5,000	2"		10,000
8	Adjustable Choke	1"	•	3,000	1″		5,000	2"	i	10,000
9	Line		3"	3,000		3"	5,000		3"	10,000
10	Line		2"	3,000		2"	5.000		3"	10,000
11	Valves Gate ☐ (2)	3-1/8*		3,000	3-1/8"		5,000	3-1/8"		10,000
12	Lines	1	3"	1,000		3″	1,000	<del> </del>	3-"	2,000
13	Lines		3"	1,000		3"	1,000		3"	2,000
14	Remote reading compound standpipe pressure gauge			3,000			5,000	•		10,000
15	Gas Separator		2'x5'			2'x5'			2'x5'	
16	Line	7	4"	1,000		4"	1,000		4"	2,000
17	Valves Gate □ (2)	3-1/8"		3,000	3-1/8*		5,000	3-1/8*	-	10,000

- (1) Only one required in Class 3M.
- (2) Gate valves only shall be used for Class 10M.
- (3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

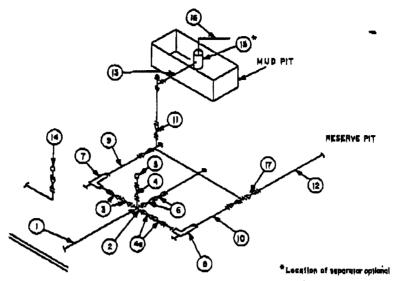
### EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
- 2. All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.
- 3. All lines shall be securely anchored.
- 4. Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.
- Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. As an alternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.
- Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by large bends or 90° bends using bull plugged tees.
- 7. Discharge lines from chokes, choke bypass and from top of gas separator should vent as far as practical from the well.



### MINIMUM CHOKE MANIFOLD 3,000, 5,000 and 10,000 PSI Working Pressure

### 3 MWP - 5 MWP - 10 MWP



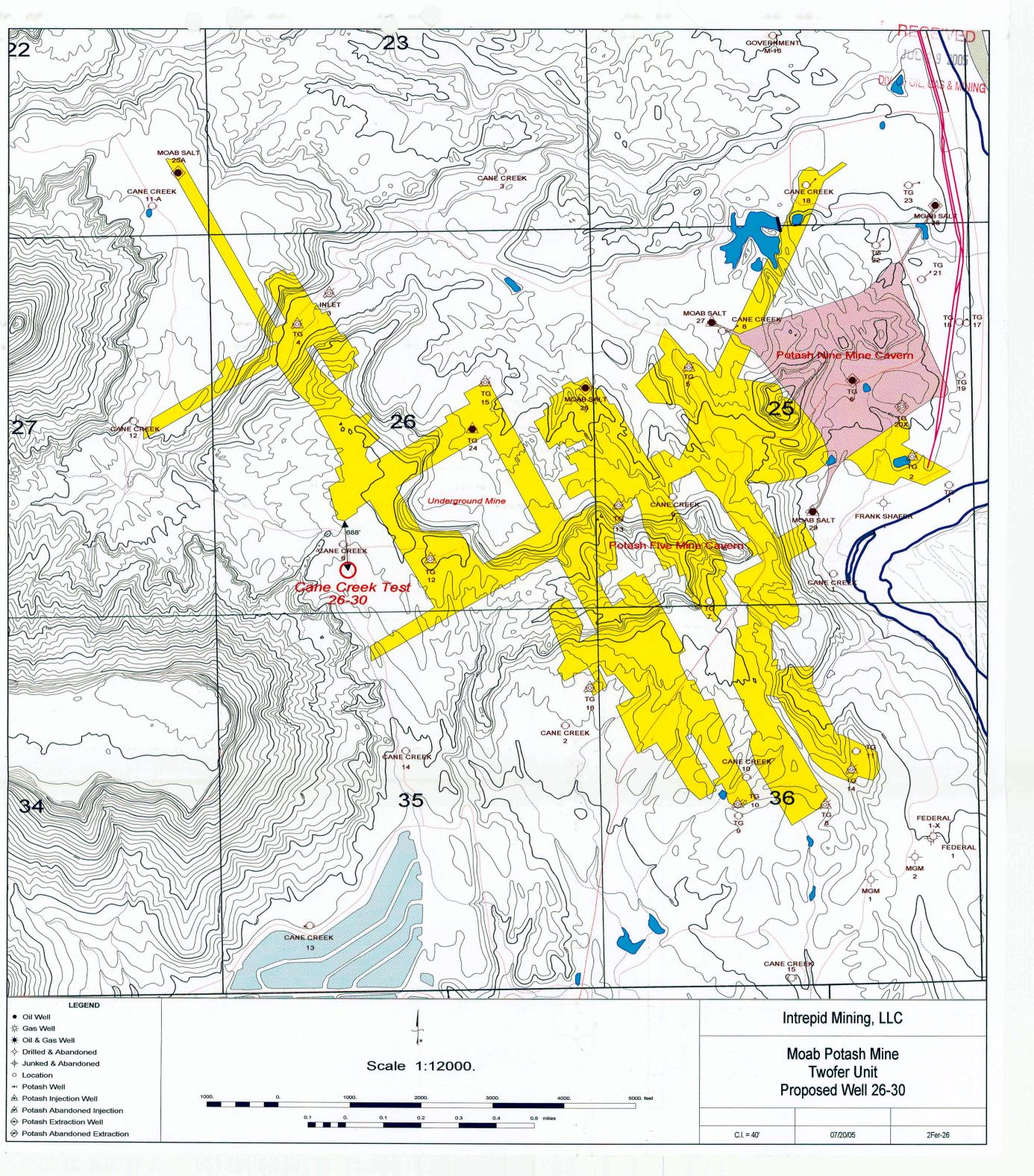
BEYOND SUBSTRUCTURE

			MINI	MUM REQU	IREMENT:	S					
			3.000 MWP			5,000 MWP			10,000 MWP		
No.		I.D.	NOMINAL	PATING	I.D,	NOMINAL	RATING	1.0.	NOMINAL	RATING	
1	Line from drilling spool		3"	3,000		3.	8,000		3*	10,000	
2	Cross 3*x3*x3"x2"			3,000	_	1	5,000				
	Cross S"x3"x3"x3"									10,000	
3	Vaives(1) Gate □ Plug □(2)	3-1/8"		3,000	3-1/8*		5,000	3-1/8"		10.000	
4	Valve Gate [2]	1-13/16"		3,000	1-13/16*		5.000	1-13/16"		10,000	
42	Valves(1)	2-1/1 <b>4</b> °		3,000	2-1/16*		5.000	3-1/B"		10.000	
5	Pressure Gauge			3,000			5,000			10,000	
6	Velves Gate [] Plug [](2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"		10,000	
7	Adjustable Chake(3)	2*		3,000	2*		5,000	2*		10,000	
è	Adjustable Choke	1"		3.000	1"	-	5,000	2*		10,000	
₽	Line		3-	3,000		3"	5,000		3"	10,000	
10	Line		S.	3,000		2*	5,000		3"	10,000	
11	Valves Gate [	3-1/5"		3,000	3-1/8"		5,000	3-1/8"		10,000	
12	Lines		3"	1,000		3"	1,000		3-	2.000	
13	Lines		3"	1.000		3"	1,000		3'	2,000	
14	Remote reading compound			3,000			5,000	•		10.000	
15	Gas Separator		2'x5'			2/15!			2'x5'		
16	Line		4"	1,000		4P	1,000		4"	2,000	
17	Valves Gate (2)	3-1/8"		3,000	3-1/8"		5,000	3-1/5"		10,000	

- (?) Only one required in Class 3M.
- (2) Gate valves only shall be used for Class TOM.
- (3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

### EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in choice manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
- 2. All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.
- 3. All lines whall be securely anchored.
- 4. Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.
- 5. Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. As an alternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.
- 6. Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by large bends or 90° bends using bull plugged tees.
- 7. Discharge ilnes from chokes, choke bypass and from top of gas separator should vent as (ar as practical from the well.





Fax Transmission
700 17<sup>th</sup> Street, Suite 1700
Denver, CO 80202
(303) 296-3006
Fax: (303) 298-7502

To:	Dustin "	Doucet	_ Date:		8/5/05
Fax #:			_ Pages:	4	including cover sheet
From:	Richard	Miller			
Subject:	Mine	Maps			
		1		•	
MESSAC	SE;				

RECEIVED AUG 0 5 2005

DIV. OF OIL, GAS & MINING



State of Utah

Department of Natural Resources

> MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

> GARY R. HERBERT Lieutenant Governor

> > August 10, 2005

Intrepid Oil & Gas, LLC 700 17th St., Suite 1700 Denver, CO 80202

Re:

Two Fer 26-30 Well, 588' FSL, 1864' FWL, SE SW, Sec. 26, T. 26 South, R. 20 East, Grand County, Utah

### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-019-31452.

Sincerely,

Gil Hunt

**Associate Director** 

pab Enclosures

cc:

**Grand County Assessor** 

SITLA

Operator:	Intrepid Oil & Gas, LLC	
Well Name & Number	Two Fer 26-30	
API Number:	43-019-31452	
Lease:	ML-49436-OBA	

**Location:** <u>SE SW</u> **Sec.** <u>26</u> **T.** <u>26 South</u> **R.** <u>20 East</u>

### **Conditions of Approval**

### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2 43-019-31452 August 10, 2005

- 6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
- 7. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.
- 8. Surface casing shall be cemented to the surface.
- 9. Cement volume for the 7" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2700' as indicated in the submitted drilling plan.

### **UNITED STATES** DEPARTMENT OF THE INTERIOR

**BUREAU OF LAND MANAGEMENT** 

FORM APPROVED OM B No. 1004-0137

Expires March 31, 2007

5. Lease Serial No. ML-49436-OBA

SUNDRY	NOTICES AND R	EPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals 6. If Indian ,Allottee or Tribe Name

OILWELL [X] GAS WELL [] 2. Name of Operator

7. If Unit or CA/Agreement, Name and/or # Two Fer

Intrepid Oil and Gas LLC

Denver CO 80202

8. Well Name and No.

3a. Address 700 17th Street, Suite 1700

or fraudulent statements or representations as to any matter within its jurisdiction.

3b. Phone No. (include area code) 303-296-3006 43-019-31452

Two Fer 26-30 9. API Well Number

11. County or Parish, State

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

At Surface: 588 FSL 1864 FWL Sect 26 At Proposed Producing Zone: Cane Creek

1. Type of Well

614806X 38.506772 4262659Y -109.683322 Tabs RADE 5-26

10. Field & Pool, or Exploratory Area

Grand, Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTH	ER DATA
--	---------

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA								
TYPE OF SUBMISSION	TYPE OF ACTION	PE OF ACTION						
	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off				
[x] Notice of Intent	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity				
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[x]Other				
[ ] Final Abandonment Notice	[x] Change Plans	[ ] Plug and Abandon	[x] Temporarily Abandon					
	[ ] Convert to Injection	[ ] Piug Back	[ ] Water Disposal					

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the Proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. onfile with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Request permission to construct extra lined pits as shown on the attached plat.

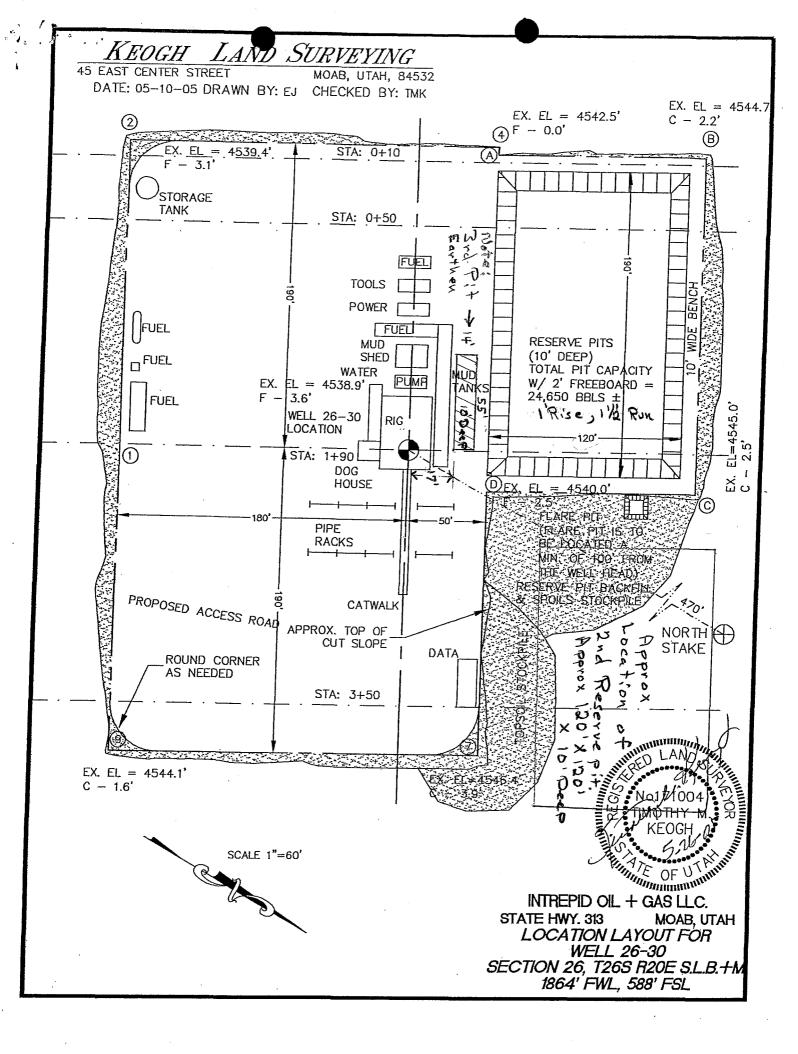
Approved by the Utah Division of Oil, Gas and Mining

RECEIVED

AUG 2 9 2005

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct		
Name (Printed/Typed) Richard Miller	Title	Special Projects Manager
Signature Tuckara Miller	Date	8/26/2005
THIS SPACE FOR F	EDERA	L'OR STATE OFFICE USE
Approved By:	Title	Date
		COPY SENT TO OPERATOR
Conditions of approval, if any, are attached. Approval of this notice does not warrant or	Office	10 9-7-05
certify that the applicant holds legal or equitable title to those rights in the subject lease	`	
which would entitle the applicant to conduct operations thereon.		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any per-	son knowing	y and willfully to make to any department or agency of the United States any false, fictitous





October 7, 2005

The Intrepid Companies 700 17th Street, Suite 1700 Denver, CO 80202 303.296.3006 303.298.7502 fax

Gil Hunt State of Utah Department of Natural Resources Division of Oil, Gas & Mining PO Box 145801 Salt Lake City, UT 84114-5801

Dear Gil,

Attached are the original and 3 copies of a Sundry requesting approval to alter casing types for the Two Fer 26-30 Well.

Please indicate your approval by signing and returning a file stamped copy in the enclosed self addressed stamped envelope for our files.

Sincerely,

Richard Miller

Special Projects Manager

RECEIVED OCT 1 1 2005

DIV. OF OIL, GAS & MINING

### STATE OF UTAH **DEPARTMENT OF NATURAL RESOURCES**

<b>s</b> '	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49436-OBA		
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
SUNDKI	N/A		
Do not use this form for proposals to drill r	new wells, significantly deepen existing wells below cur aterals. Use APPLICATION FOR PERMIT TO DRILL t	rrent bottom-hole depth, reenter plugged wells, or to	7. UNIT or CA AGREEMENT NAME: Two Fer
1. TYPE OF WELL OIL WELL		ioni ioi caci proposale.	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:			Two Fer 26-30
Intrep[id Oil & Gas			9. API NUMBER: 4301931452
3. ADDRESS OF OPERATOR:		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
700 17th Street #1700  4. LOCATION OF WELL	y Denver STATE CO ZIP	80202 (303) 296-3006	Wildcat
FOOTAGES AT SURFACE: 588 F.	SL 1864 FWL Sect 26		COUNTY: Grand
QTR/QTR, SECTION, TOWNSHIP, RAN	IGE, MERIDIAN: SESW 26 26S 2	20E	STATE: UTAH
11. CHECK APPI	ROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
✓ NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
C OUROSOUSNE REPORT	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
	COMMINGLE PRODUCING FORMATIONS CONVERT WELL TYPE	RECLAMATION OF WELL SITE  RECOMPLETE - DIFFERENT FORMATION	OTHER:
12 DECORIES RECOCES OF CO	OMPLETED OPERATIONS. Clearly show all p		
intrepid Oil & Gas reques	ts permission to modify the casing	g program on the Two Fer 26-30	well to the following:
•	ermit: 0-200', 9 5/8", 94#, J-55, S m STC to PEB (welded butt joints		
Casing approved in the pr	ermit: 0-2900', 9 5/8", 40#, N80, L	TC	
<del></del>	s casing to 9 5/8", 53.5#, P 110, I		
	, =====,		
		•	
		العاملية المراجعة الم	and the contract of the contra
		i	
			TO OPERATOR
		Date:	CHO
		· ·	
		The state of the s	AND
NAME (BLEASE BRINT) Richard M	Miller	<sub>пп в</sub> Special Projects	Manager
NAME (PLEASE PRINT) RICHARD IV	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	TITLE Special Projects	s Wanager
SIGNATURE	ADDOONED	DATE 10/7/2005	
This area for City	APPROVED OF LITAH	DIVISION OF	PECEN /=-
This space for State use only)		AND MINING	RECEIVED
	DATE: 🔎	112/05	OCT 1 1 2005
	U/11		

(See Instructions on Reverse Side)

(5/2000)



The Intrepid Companies 700 17th Street, Suite 1700 Denver, CO 80202 303.296.3006 303.298.7502 fax

October 14, 2005

Mr. Dustin Doucet
State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1594 W. North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

Dear Mr. Doucet,

Enclosed are three copies and one original Notice of Intent to change plans for the Two Fer 26-30 well. Please return an approved copy in the self addressed stamped envelope upon your approval.

Sincerely,

Richard Miller

Special Projects Manager

RECEIVED

ML, GASON MA

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 26 26S 20E

DEPARTMENT OF NATURAL RESOURCES		1 Older 3
DIVISION OF OIL, GAS AND MINING		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49436-OBA
SUNDRY NOTICES AND REPORTS ON WE	LLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole de drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such propo		7. UNIT OF CA AGREEMENT NAME: TWO FER
1. TYPE OF WELL OIL WELL GAS WELL OTHER		8. WELL NAME and NUMBER: Two Fer 26-30
2. NAME OF OPERATOR: Intrepid Oil & Gas, LLC		9. API NUMBER: 4301931452
3. ADDRESS OF OPERATOR: 700 17th Street #1700 CITY Denver STATE CO ZIP 80202	PHONE NUMBER: (303) 296-3006	10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 588 FSL 1864 FWL Sect 26		COUNTY: Grand

							UIAH
11.	CHECK APPR	OPI	RIATE BOXES TO INDICAT	ΈN	ATURE OF NOTICE, REPOR	T, O	R OTHER DATA
	TYPE OF SUBMISSION				TYPE OF ACTION		
1	NOTICE OF INTENT		ACIDIZE		DEEPEN		REPERFORATE CURRENT FORMATION
	(Submit in Duplicate)		ALTER CASING		FRACTURE TREAT		SIDETRACK TO REPAIR WELL
	Approximate date work will start:		CASING REPAIR		NEW CONSTRUCTION		TEMPORARILY ABANDON
		V	CHANGE TO PREVIOUS PLANS		OPERATOR CHANGE		TUBING REPAIR
	***************************************		CHANGE TUBING		PLUG AND ABANDON		VENT OR FLARE
	SUBSEQUENT REPORT (Submit Original Form Only)		CHANGE WELL NAME		PLUG BACK		WATER DISPOSAL
	Date of work completion:		CHANGE WELL STATUS		PRODUCTION (START/RESUME)		WATER SHUT-OFF
	bate of work component.		COMMINGLE PRODUCING FORMATIONS		RECLAMATION OF WELL SITE		OTHER:
			CONVERT WELL TYPE		RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Intrepid requests permission to drill the surface casing interval to a depth of 2900' into Clastic 3 using a 2000 WP annular preventer, choke and accumulator closing unit for BOPE.

Intrepid Oil & Gas has operated 5 wells in this area drilling to depths greater than 2900' for solution mining. Two were drilled using water well type rigs without the use of high pressure BOPE. Some gas pressure was encountered on one of the wells but bottom hole pressure was estimated at approximately 1100PSI. The gas did not burn and the pressure bled to zero after 12 hours. Most of the 50+ wells in this area were drilled with air using water well and cable tool technology (probably without BOPE). Only one well encountered low pressure gas in this surface interval. A well was drilled 600' away from this location and did not encounter gas in this surface interval.

STATE:

Richard Miller Special Projects Manager NAME (PLEASE PRINT) 10/14/2005

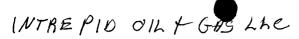
(This space for State use only)

> OF UTAH DIVISION OF OIL, GAS, AND MINING

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OCT 18 2005

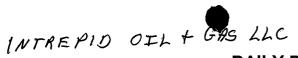
DIV. OF OIL, GAS & MINING



## DAILY DRILLING REPORT

T 265 R 20E 5-26 43-019-31452

Well Name		O FER #26-			Location		SEC 26 -	Γ26S - R 20I	<u>=</u> _
Date	10/24/05		HEN	VKLE	Present Op	eration		RIGGING U	Р
Day No.	2	Formation			Lithology				
Depth ft		Previous De	•	1	Proposed T		PINK	ERTON (MIS	S) 2800
Made		ft in		hrs	Drilling rate	e of		ft. per hr.	
Majaht		Ohlasidaa		Mud		0 - 11 1			
Weight VIS. Fun.		Chlorides P.V.		Calcium		Solids		L.C.M.	
Water loss		Filter Cake		Y.P. KCL %	<del></del>	Gels Oil %		PH	
vvaler 1055		Filler Cake		Mud Gas		- 011 %		Nitrates	
Average		Maximum		Connection		Trip		Flare	
,go			litions last			& Quantity	·····	. I laic	
						a dualities			
				Bit R	ecord				
WOB		RPM		_	Cumula	ative Rotatir	g Hours		
Dull Bit No.		Size		Туре		Ser. No.		Jets	
Depth Out		Made		ft in	***************************************	hrs. Ft/hr		Dull Gr.	
Present Bit #		Size		Туре		Ser. No.		Jets	
Depth in		Made		ft in		hrs.	Avg. ft./hr.	#DIV/0!	
	Pun		BOF					d Condition	
Mud Pump	No. 1	No. 2		pest Casing	•		g Weight		onditions
Make			Size	Depth	Min. Burst				Spots Out
Liner				L		Pick Up		Depth	Over Pull
Stroke	_		Facility Name	Shoe Test		Slack Off			
SPM GPM			Equiv. Mud			Rotating T	orque		
Pump psi			Pressure T	Last BOP C		Neutral Pick Up		Takes \A	niadat tain la
Slow Pump F			BOP Drill 8			Slack Off	***************************************	rakes vv	eight trip In
SPM	· · · · · · · · · · · · · · · · · · ·		Drill String		***************************************	Last Date	ВНА		
Pump psi		<b>*****</b>	Annular Vo		***************************************	Inspected		Ft. of Fill	
	Dril	l String a		m Hole As	sembly C		ion	, o	
	Drill Pipe		0 1101			, o.i.i.guiu		Cumulat	ive ft. from
Size	Weight	Grade	Tube I D	T.J. Type	TIID	TIOD	Length	top of co	
0120	i i		l ube i.b.	i.o. Type	1.5. 1.5.	1. 3. O.D. 	Length	top or co	mars
		***************************************							
	<b>Bottom Hol</b>	•		,				Cumu	ative feet
Item	Quantity	O.D.	l.D.	Thread	Lbs./ft	Grade	Length	from b	it
							V.*		
	-								
					<u> </u>				
	†								
	†								
		1							
						Total			
		R	eport of (	Operation	S			Orilling Co	sts
Hours			•	-			Item	•	Daily
07:00 - 19:00	RIGGING U	P RIG ON T	WOFER 26	-30			Drilling Foo	tage	
							Drilling Day	work	
							Water		
							Drilling Muc		
							Cum. Mud (		
	<u> </u>						Mud Loggin		
	1		-				Cement all Drill Stem T		
							Electric Log		
							Bits, Suppli		
				DEOE			Casing & W		
				HECE	IVED		Supervision		
· · · · · · · · · · · · · · · · · · ·				OCT 1	F 000F		1		7.730
					~ // II II II		Other		***************************************
				OCT 2	J 200J				
							Cum. Daily	Costs	
				OIV. OF OIL, G		i	Cum. Daily Total Well		
						1		Costs	Hrs.
				OIV. OF OIL, G	AS & MINING		Total Well	Costs	Hrs.
	SAFETY ME	ETING ON		OIV. OF OIL, G	AS & MINING		Total Well Time Ca Rotating Drig.(non ro	Costs tegory etating)	Hrs.
				OIV. OF OIL, G	AS & MINING		Total Well Time Ca Rotating Drlg.(non ro Csg. & Cmt	Costs tegory etating)	Hrs.
	SAFETY ME			OIV. OF OIL, G	AS & MINING		Total Well Time Ca Rotating Drlg.(non ro Csg. & Cmt Evaluation	Costs tegory otating)	Hrs.
Drilling Supe	NO ACCIDE		ROADS CO	OIV. OF OIL, G	AS & MINING		Total Well Time Ca Rotating Drig.(non ro Csg. & Cmt Evaluation Unschedule	Costs tegory otating)	Hrs.



## Ta6S RAOE S-26 43-019-31452

### **DAILY DRILLING REPORT**

Well Name		O FER # 26			Location			Г 26S - R 20I	
Date	10/25/05	. •	HEN	IKLE	Present Op	eration	RIGGIN	G UP TO DF	RIL W/ AIR
Day No.	3	Formation			Lithology				
Depth ft		Previous De			Proposed T			CLASSIC 67	00'
Made		ft in		hrs	Drilling rate	of		ft. per hr.	
				Mud					
Weight		Chlorides		Calcium		Solids		L.C.M.	
VIS. Fun.		P.V.		Y.P.		Gels		PH	
Water loss		Filter Cake		KCL %		Oil %		Nitrates	
A.,		NA i		Mud Gas		<b>-</b>			
Average		Maximum	litions last	Connection		Trip		Flare	
		wuu aut	iilioiis iast	24 110u15	Product	& Quantity			
					··		<del></del>		
	*****	<del></del>		Rit R	ecord			· · · · · · · · · · · · · · · · · · ·	
WOB		RPM		Diti		ative Rotatin	a Houre		
Dull Bit No.		Size		Туре	Oumaid	Ser. No.	ig i louis	Jets	•
Depth Out		Made	<del></del>	ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #		Size		Туре		Ser. No.		Jets	
Depth in		Made		ft in		hrs.	Avg. ft./hr.		
•	Pur	nps	BOP		ation	-	•	d Condition	on Info
Mud Pump	No. 1	No. 2		pest Casing			g Weight		onditions
Make	1101	l	Size	Depth	Min. Burst		y weight		Spots Out
Liner			0,20	Dopui	Walling Burde	Pick Up		Depth	Over Pull
Stroke				Shoe test		Slack Off		Берит	
SPM			Equiv. Mud			E .	g Torque	<del></del>	
GPM		:		Last BOP C	heck	Neutral	9 . 4.4.4		
Pump psi		<del></del>	Pressure T			Pick Up		Takes W	eight trip In
Slow Pump R	Rates	h	BOP Drill &		····	Slack Off			
SPM			Drill String	Vol. Bbls.		Last Date	ВНА		
Pump psi			Annular Vo			Inspected		Ft. of Fill	<del></del>
	Dri	II String a	nd Botto	m Hole As	sembly (	Configura	tion	•	
	Drill Pipe	•				<b>3</b>		Cumulat	ive ft. from
Size	Weight	Grade	Tube I D	T.J. Type	TJID	TIOD	Length		f collars
0.20				1,6, 1,66		1.0.0.5.		l lop o	Collais
									· ''
				m Hole Ass	•			Cumu	ative feet
Item	Quantity	O.D.	. I.D.	Thread	Lbs./ft	Grade	Length	fro	m bit
			l			1		ŀ	
	ļ					ļ			
				-					
						Total			
			enort of	Operation		Total		willing Co.	
Hours		F	Report of	Operation	S	Total	1	Orilling Co	
Hours		R	Report of	Operation	s	Total	Ite	em	sts Daily
	FINISH WE			Operation	s	Total	Ite Drilling Foot	e <b>m</b> tage	
Hours 07:0008:30	FINISH WE			Operation	S	Total	Ite Drilling Foot Drilling Day	e <b>m</b> tage	
07:0008:30		LDING FLO	WLINE				Ite Drilling Foo Drilling Day Water	em tage work	
	ATTEMPT :	LDING FLO	WLINE E DRILG, C				Ite Drilling Foo Drilling Day Water Drilling Mud	em tage work	
07:0008:30	ATTEMPT :	LDING FLO	WLINE E DRILG, C				Ite Drilling Foo Drilling Day Water Drilling Mud Cum. Mud (	em tage work Cost	
07:0008:30 08:30 - 10:00	ATTEMPT FROM PAC	ELDING FLO TO REVIRC CK OFF IN C	WLINE E DRILG, C ELLAR	ONDUCTOR	R BROKE LO		Ite Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	em tage work Cost g Unit	
07:0008:30	ATTEMPT FROM PAC	ELDING FLO TO REVIRC CK OFF IN C	WLINE E DRILG, C ELLAR	ONDUCTOR	R BROKE LO		Ite Drilling Foo Drilling Day Water Drilling Mud Cum. Mud (	em tage work Cost g Unit strings	
07:0008:30 08:30 - 10:00	ATTEMPT FROM PAC L/D REVIRO	ELDING FLO TO REVIRC EK OFF IN C	WLINE E DRILG, C ELLAR AND RIG UF	ONDUCTOR	R BROKE LO		Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all	em tage work Cost g Unit strings	
07:0008:30 08:30 - 10:00 10:00 - 14:30	ATTEMPT FROM PAC L/D REVIRO	ELDING FLO TO REVIRC EK OFF IN C	WLINE E DRILG, C ELLAR AND RIG UF	ONDUCTOR	R BROKE LO		Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T	em tage work Cost g Unit strings ests	
07:0008:30 08:30 - 10:00 10:00 - 14:30	ATTEMPT FROM PAC L/D REVIRO CEMENTIN	ELDING FLO TO REVIRC CK OFF IN C CE KELLY A	WLINE E DRILG, C ELLAR AND RIG UP	ONDUCTOR TO DRILL V	R BROKE LO		Ite Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log	em tage work Cost g Unit strings ests s	
07:0008:30 08:30 - 10:00 10:00 - 14:30 14:30 - 15:00	ATTEMPT FROM PAC L/D REVIRO CEMENTIN	ELDING FLO TO REVIRC CK OFF IN C CE KELLY A	WLINE E DRILG, C ELLAR AND RIG UP	ONDUCTOR TO DRILL V	R BROKE LO		Ite Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie	em tage work  Cost g Unit strings ests s es	
07:0008:30 08:30 - 10:00 10:00 - 14:30 14:30 - 15:00	ATTEMPT FROM PAC L/D REVIRO CEMENTIN	ELDING FLO TO REVIRC CK OFF IN C CE KELLY A	WLINE E DRILG, C ELLAR AND RIG UP	ONDUCTOR TO DRILL V	R BROKE LO		Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cement all Drill Stem Telectric Log Bits, Supplic Casing & Water Supervision	em tage work  Cost g Unit strings ests s es	
07:0008:30 08:30 - 10:00 10:00 - 14:30 14:30 - 15:00	ATTEMPT FROM PAC L/D REVIRO CEMENTIN	ELDING FLO TO REVIRC CK OFF IN C CE KELLY A	WLINE E DRILG, C ELLAR AND RIG UP	ONDUCTOR TO DRILL V	R BROKE LO		Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cement all Stem Telectric Log Bits, Supplie Casing & W	em tage work  Cost g Unit strings ests s es	
07:0008:30 08:30 - 10:00 10:00 - 14:30 14:30 - 15:00	ATTEMPT FROM PAC L/D REVIRO CEMENTIN	ELDING FLO TO REVIRC CK OFF IN C CE KELLY A	WLINE E DRILG, C ELLAR AND RIG UP	ONDUCTOR TO DRILL V	R BROKE LO		Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cement all Drill Stem Telectric Log Bits, Supplic Casing & Water Supervision	em tage work  Cost g Unit strings ests s es /ell Head	
07:0008:30 08:30 - 10:00 10:00 - 14:30 14:30 - 15:00	ATTEMPT FROM PAC L/D REVIRO CEMENTIN	ELDING FLO TO REVIRC CK OFF IN C CE KELLY A	WLINE E DRILG, C ELLAR AND RIG UP	ONDUCTOR TO DRILL V	R BROKE LO	OOSE	Drilling Food Drilling Day Water Drilling Mud Cum. Mud (Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & Water Other	tage tage work  Cost g Unit strings ests s es /ell Head	
07:0008:30 08:30 - 10:00 10:00 - 14:30 14:30 - 15:00	ATTEMPT FROM PAC L/D REVIRO CEMENTIN	ELDING FLO TO REVIRC CK OFF IN C CE KELLY A	WLINE E DRILG, C ELLAR AND RIG UP	ONDUCTOR TO DRILL V	R BROKE LO	OOSE	Drilling Food Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Cum. Mud Coment all strill Stem Total Stem Total Well Time	tage tage work  Cost g Unit strings ests s es /ell Head	
07:0008:30 08:30 - 10:00 10:00 - 14:30 14:30 - 15:00	ATTEMPT FROM PAC L/D REVIRO CEMENTIN	ELDING FLO TO REVIRC CK OFF IN C CE KELLY A	WLINE E DRILG, C ELLAR AND RIG UP	ONDUCTOR TO DRILL V	R BROKE LO	OOSE	Drilling Food Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Cum. Mud Cum. Telectric Log Bits, Supplic Casing & W. Supervision Other Cum. Daily Total Well Rotating	tage work  Cost g Unit strings ests es /ell Head  Costs Costs Category	Daily
07:0008:30 08:30 - 10:00 10:00 - 14:30 14:30 - 15:00	ATTEMPT FROM PAC L/D REVIRO CEMENTIN	ELDING FLO TO REVIRC CK OFF IN C CE KELLY A	WLINE E DRILG, C ELLAR AND RIG UP	ONDUCTOR TO DRILL V	R BROKE LO	OOSE	Drilling Food Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Cum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & W. Supervision Other Cum. Daily Total Well Casting Drilg.(non reconstruction)	tage work  Cost g Unit strings ests s es /ell Head  Costs Costs Category	Daily
07:0008:30 08:30 - 10:00 10:00 - 14:30 14:30 - 15:00	ATTEMPT FROM PAC L/D REVIRO CEMENTIN	ELDING FLO TO REVIRC CK OFF IN C CE KELLY A	WLINE E DRILG, C ELLAR AND RIG UP	TO DRILL VIN CELLAR	CEIVEL	OOSE	Drilling Food Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Cum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & Wasupervision Other Cum. Daily Total Well Casing Drill Cosg. & Cmt.	tage work  Cost g Unit strings ests s es /ell Head  Costs Costs Category	Daily
07:0008:30 08:30 - 10:00 10:00 - 14:30 14:30 - 15:00	ATTEMPT FROM PAC L/D REVIRO CEMENTIN	ELDING FLO TO REVIRC CK OFF IN C CE KELLY A	WLINE E DRILG, C ELLAR AND RIG UP	TO DRILL VIN CELLAR	CEIVEL	OOSE	Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Cum. Mud Cum. Mud Cum. Drill Stem Telectric Log Bits, Supplic Casing & W. Supervision Other Cum. Daily Total Well Casing Drig. (non rocsg. & Cmt Evaluation	tage work  Cost g Unit strings ests s es /ell Head  Costs Costs Category  stating)	Daily
07:0008:30 08:30 - 10:00 10:00 - 14:30 14:30 - 15:00	ATTEMPT FROM PAC L/D REVIRO CEMENTIN RIGGING L	ELDING FLO TO REVIRC CK OFF IN C CE KELLY A	E DRILG, C ELLAR AND RIG UP CTOR PIPE L WITH AIR	TO DRILL VIN CELLAR	CEIVEL  2 5 2005	OOSE	Drilling Food Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Coggin Cement all strill Stem T Electric Log Bits, Supplie Casing & W. Supervision Other Cum. Daily Total Well Cogg. & Cmt Evaluation Unschedule	tage work  Cost g Unit strings ests s es /ell Head  Costs Costs Category  stating)	Daily

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Co	mpany:	I	<u>NTREPID</u>	OIL & GAS	LLC	
Well Name:		T	WO FER 2	26-30		<u>.</u>
Api No <u>:</u>	43-019-3	1452		Lease T	Type: STATE	– SURF FEE
Section 26	_Township	<b>26S</b> Ra	nge_20E	County	GRAND	
Drilling Cor	ntractor	HENK	LE	R	IG #	
SPUDDE	ED:					
	Date	10/25/0	)5			
	Time	8:30 A	<u>.M</u>			
	How	DRY				
Drilling w	ill Comme	ence:				
Reported by	7	RIC	HARD MI	LLER		
Telephone #	<u> </u>	1-30	<u>3-296-300</u>	5		
Date1	10/26/05	_Signed	C	HD		

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<richard.miller@intrepidpotash.com>, <hugh.harvey@intrepidpotash.com>,

<jim.lewis@intrepidpotash.com>, <rick.york@intrepidpotash.com>, lewis@intrepidpotash.com>,

<katie.keller@intrepidpotash.com>

Date:

10/29/2005 6:00:11 AM

Subject:

Tow fer 26-30

Richard,

We was picking up tubing and was ready to start running casing when one of the beams being used across the top of the rotary beams dropped in the hole. The beam is 6"x 6"x 36" h beam. This is what we will be fishing for. I will send you a pix of the other beam they look a like

Jim is meeting with one of the Hinkel Drilling Company people. They are meeting half way between Denver with the fishiong tools Jim left location at 03:00 to meet the person. They are probably meeting in glenwood springs. jim should be back at 10:00

Thanks for your help, have a safe day.

Clint

CC:

<bartkettle@utah.gov>, <caroldaniels@utah.gov>, <dustindoucet@utah.gov>

"Clint Rhodd" <clintrhodd 62@hotmail.com>

To:

<richard.miller@intrepidpotash.com>, <rick.york@intrepidpotash.com>,

<hugh.harvey@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>

Date:

10/30/2005 6:23:50 AM

Subject:

TWO FER 26-30

RICHARD,

I SENT YOU A FISHING TOOL I SESIGNED. LAST NIGHT TO CATCH THE FISH. WHEN YOU SET DOWN WEIGHT ON THE FISHING TOOL THE FINGERS CURLE BELOW THE FISH. THIS WILL CATCH THE FISH.

I SENT IT ON THE CAD PROGRAM.WE SHOULD HAVE SOME 24" CASING OR PIPE DOWN IN OUR YARD.

THANKS FOR YOUR HELP HAVE A SAFE DAY.

**CLINT** 

**CC:** <katie.keller@intrepidpotash.com>, <bartkettle@utah.gov>, <caroldaniels@utah.gov>, <dustindoucet@utah.gov>

# INTREPID OIL & GAS LLC. DAILY DRILLING REPORT

TA6S RAOE S-26 43-019-31452

INTAEPID OIL +GAS

Well Name	TW	O FER # 26	-30		Location		SEC 26 - 1	7 26S - R 20E	<u> </u>
Date	10/30/05		HENKEL	DRILLING	Present Op	eration		G ON FISHIN	
Day No.	6	Formation		ONE	Lithology				
Depth ft	212	Previous De		134	Proposed T			ASSIC 21 6	700'
Made	78	ft in	11.5		Drilling rate	of	6.78	ft. per hr.	
NA for Coulo 6	A 170	Object and all and		Mud		0.454			
Weight VIS. Fun.	AIR FOAM	Chlorides P.V.		Calcium Y.P.		Solids Gels		L.C.M. PH	
Water loss	FUAIVI	Filter Cake		KCL %		. Gels Oil %		Nitrates	
vvater 1033		- I litter Oake		Mud Gas		. 011 70		Millates	
Average		Maximum		Connection		Trip		Flare	
		Mud add	itions last	24 hours	Product 8	Quantity			
							<del></del> ,		
WOD	0.000	DDM	00	Bit R	Record			00	
WOB	9,000	RPM	60 26"	Time		ative Rotatin	g Hours	29	
Dull Bit No. Depth Out	1 212	_ Size Made	212	Type ft in	button 29	Ser. No. hrs. Ft/hr	6.78	. Jets Dull Gr.	GOOD
Present Bit #	1	- Size	26"	Туре	$\frac{23}{7.3}$	Ser. No.	0.70	Jets	GOOD
Depth in	15	Made	197	ft in	29	hrs.	Avg. ft./hr.	6.79	
	<del></del>	mps	BOF			•	•	d Condition	n Info
Mud Pump	No. 1	No. 2		pest Casing			Weight		onditions
Make			Size	Depth	Min. Burst		, wongc		Spots Out
Liner			·	[		Pick Up		Depth	Over Pull
Stroke				Shoe test	<del> </del>	Slack Off			373
SPM			Equiv. Muc	l Weight		Rotating	Torque		
GPM			Date	Last BOP	Check	Neutral	•		
Pump psi	1800 CFM		Pressure T			Pick Up		Takes Weig	nt trip In
Slow Pump F	Rates		BOP Drill 8			Slack Off			
SPM	<b></b>		Drill String			Last Date I	BHA		
Pump psi			Annular Vo			Inspected		Ft. of Fill	
		ill String a	nd Botto	m Hole As	ssembly (	Configura	tion		
	Drill Pipe							Cumulat	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	ilars
								<u> </u>	
	Rottom He	le Assembl	<u> </u>		ļ			Cumul	ative feet
Item	Quantity	O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	from b	
		1						1	
			, , ,						
					ļ,				
<del> </del>	 		ļ	<u> </u>	<u> </u>		,		·
	<u> </u>	<u> </u>		<u> </u>	<u> </u>	<del></del>		<u> </u>	
		<del> </del>	<del> </del>		<del> </del>	Total			
	1		enort of	Operation	 ne	10.00	Г	Drilling Co	ete
Hours	[	•`	eport or	Operation	13		Item		Daily
07:00 - 18;30	DRILG F/	134' TO 212'	WITH FOA	M & AIR HA	MMER.		Drilling Foo	tage	Dully
			· · · · · · · · · · · · · · · · · · ·				Drilling Day		
18:30 - 21;30	T.O.H & L	D HAMMER	R. & LOADE	D OUT SAN	IE TOOK PI	X OF BIT	Water		
	& AIR HAN	MER.					Drilling Mud		
							Cum. Mud (		
21"30 - O3:00						JN CASING			
	DROPPEL	IN HOLE 6	" X 6" X 30"	H BEAM I	N HOLE.		Cement all	•	
03:00 - 07:00	WAITING	ON EIGHING	TOOLS TO	LICH 6" V	6' V 26" LI	DEAM OUT	Drill Stem T Electric Log		
03.00 - 07.00	HOLE.	ON FISHING	10013 10	TISH O A	. O A 30 11. I	BEAIN OUT	Bits, Suppli		
	I IOCC.		·····				Casing & W		
	20" S PAC	IFIC .438 W	ALL BORE	X-70 BEVEL	ED ENDED	CASING	Supervision		
	1					<del>-</del>	1		
			<del> </del>	· ····································			Other		
			Ĩ	RECEIV	/ED		Cum. Daily	Costs	
				1 - V - I V			Total Well		
	<u> </u>			OCT 3.1	2005		Time Ca	tegory	Hrs.
							Rotating		29
		,	- DIV	OF OIL, GAS	& MINING		Drlg.(non ro	•	
					W. 111111111		Csg. & Cmt	t.	
		MEETING ON	RUNNING	CASING.	<del></del>		Evaluation		
Drilling Supe	NO ACCIE		200	, .			Unschedule	ed Events	
	MICOR	CLINT RHO	M M J		7	fool Pusher			

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<ri>crichard.miller@intrepidpotash.com>, <hugh.harvey@intrepidpotash.com>,</ri>

<rick.york@intrepidpotash.com>

Date:

10/31/2005 7:18:24 AM

Subject:

TW0 FER 26-30 REPORT

RICHARD,

AT 07:00 SET FIRST 15' PLUG. NOW WOC ON FIRST PLUG TO SET UP.

THANKS FOR YOUR HELP HAVE A SAFE DAY.

**CLINT** 

**CC:** <jim.lewis@intrepidpotash.com>, <bartkettle@utah.gov>, <katie.keller@intrepidpotash.com>, <caroldaniels@utah.gov>

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<bartkettle@utah.gov>, <caroldaniels@utah.gov>, <dustindoucet@utah.gov>

Date: Subject: 10/31/2005 7:30:50 AM TWO FER CEMENTING

BART,

WE SET A 15' PLUG CEMENTING FROM THE BACK SIDE THROUGH 2 3/8 TUBING. WE WILL LET CMT SET 4 HRS AND TAG UP THEN SET A 50' PLUG WOC 4 HRS AND CK AND REPEAT THE SAME CEMENTING OPPORATIONS TO SURFACE.

THANKS FOR YOUR HELP HAVE A SAFE DAY

CLINT

**INTREPID** 

# INTREPID OIL AND GAS LLC

T 265 R20E 5-26 43-019-31452

# INTREPID OIL + GAS DAILY DRILLING REPORT

Well Name		O FER # 26			Location		SEC 26 - 7	Г 26S - R 20 <mark>E</mark>	<b>.</b>
Date Day No.	10/31/05 8	Rig 151 Formation		DRILLING STONE		eration	PREPAR C	SG. F/ CEME	NTING.
Day No. Depth ft	212	Previous De			Lithology Proposed T	TD .	CI	ASSIC 21 6	700'
Made		ft in	•	hrs	Drilling rate			ft. per hr.	
\\/a:=b4		Oblasidas		Mud		0 - 11 -1 -			
Weight VIS. Fun.	<del></del>	Chlorides P.V.		Calcium Y.P.		- Solids Gels		L.C.M. PH	
Water loss		Filter Cake		KCL %		Oil %		Nitrates	
Avarana		Massinasson		Mud Gas		<b>T</b> !		·	
Average		Maximum Mud add	litions last	Connection 24 hours		Trip & Quantity	·····	Flare	
		EETING ON					ETING.		
	NO ACCIDI	ENTS:		D:4 D					
WOB		RPM		BITR	ecord	ative Rotatin	a Hours	29	
Dull Bit No.		Size		Туре	Jamaie	Ser. No.	9110013	- Zs Jets	
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit # Depth in	<u>1</u> 15	Size Made	26" 197	Type ft in	7.3	Ser. No. hrs.	Avg. ft./hr.	. Jets 6.79	
Борити		nps	BOP			-	-	d Conditio	n Info
Mud Pump	No. 1	No. 2		pest Casing			y Weight		onditions
Make			Size	Depth	Min. Burst				Spots Out
Liner Stroke				Shoe test		Pick Up Slack Off		Depth	Over Pull
SPM	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Equiv. Mud			Rotating T	orque		
GPM			Date	Last BOP C	heck	Neutral			
Pump psi	1800 CFM		Pressure T		•	Pick Up		Takes We	eight trip In
Slow Pump F SPM			BOP Drill & Drill String		#\/ALLIEI	Slack Off Last Date I	BHV		
Pump psi			Annular Vo			Inspected		Ft. of Fill	****
	Dri	II String a	nd Botto	m Hole As			tion		
	<b>Drill Pipe</b>							Cumulati	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	llars
				-					
	<b>Bottom Ho</b>	le Assembly							1: 6 1
	O		•						ative feet
ltem	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length 	Cumul from bi I	
CASING	1		•	Thread BOREX70	Lbs./ft BEVELED	Grade ENDS	Length 43.99		
	1 2	O.D.	I.D.				43.99 43.96	from bi 87.95	
	1 2 3	O.D.	I.D.				43.99 43.96 43.97	87.95 131.92	
	1 2	O.D.	I.D.				43.99 43.96	from bi 87.95	
	1 2 3 4	O.D.	I.D.				43.99 43.96 43.97 43.88	87.95 131.92 175.8 219.76 219.76	
	1 2 3 4	O.D.	I.D.				43.99 43.96 43.97 43.88	87.95 131.92 175.8 219.76 219.76 219.76	
	1 2 3 4	O.D.	I.D.			ENDS	43.99 43.96 43.97 43.88 43.96	87.95 131.92 175.8 219.76 219.76 219.76 219.76	t
	1 2 3 4	O.D.	I.D. ,438 WALL		BEVELED		43.99 43.96 43.97 43.88 43.96	87.95 131.92 175.8 219.76 219.76 219.76 219.76 SET AT	209.76' KB
CASING	1 2 3 4 5	O.D.	I.D. ,438 WALL	BOREX70  Operation	BEVELED	ENDS	43.99 43.96 43.97 43.88 43.96	87.95 131.92 175.8 219.76 219.76 219.76 219.76 SET AT Drilling Cos	209.76' KB
CASING	1 2 3 4 5	O.D. 20" R	I.D. ,438 WALL Report of	BOREX70  Operation	BEVELED	ENDS	43.99 43.96 43.97 43.88 43.96 219.76 Litem Drilling Foo	87.95 131.92 175.8 219.76 219.76 219.76 219.76 SET AT Drilling Costage	209.76' KB
CASING	1 2 3 4 5	O.D.	I.D. ,438 WALL Report of	BOREX70  Operation	BEVELED	ENDS	43.99 43.96 43.97 43.88 43.96 219.76 Litem Drilling Fool Drilling Day	87.95 131.92 175.8 219.76 219.76 219.76 219.76 SET AT Drilling Costage	209.76' KB
CASING	1 2 3 4 5	O.D.  20"  R  // MAGNEN	I.D. ,438 WALL Report of Common Management (1988)	Operation RUNS PU MA	BEVELED  S  AGNET ON	ENDS	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Food Drilling Day Water Drilling Muce	87.95 131.92 175.8 219.76 219.76 219.76 219.76 SET AT   Drilling Costage work	209.76' KB
Hours 07:00 - 13:30	1 2 3 4 5	O.D.  20"  R  // MAGNENT SS ON PIC	I.D. ,438 WALL Report of Communication MADE 8 FIXING UP HA	Operation RUNS PU MA	BEVELED  S  AGNET ON	ENDS	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Food Drilling Day Water Drilling Much Cum. Much Cum. Much Cum.	87.95 131.92 175.8 219.76 219.76 219.76 SET AT Drilling Cost	209.76' KB
CASING  Hours 07:00 - 13:30	1 2 3 4 5	O.D.  20"  R  // MAGNENT SS ON PIC	I.D. ,438 WALL Report of Communication MADE 8 FIXING UP HA	Operation RUNS PU MA	BEVELED  S  AGNET ON	ENDS	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	87.95 131.92 175.8 219.76 219.76 219.76 SET AT Drilling Cost tage work	209.76' KB
Hours 07:00 - 13:30	1 2 3 4 5 5 SISHING WAND SUCCE	O.D.  20"  R  // MAGNENT SS ON PIC  FISHING TO	I.D. ,438 WALL  Report of O	Operation RUNS PU MAY BEAM. EAM OUT O	BEVELED  S  AGNET ON  F HOLE.	ENDS  Total  FIRST RUN	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Food Drilling Day Water Drilling Much Cum. Much Cum. Much Cum.	87.95 131.92 175.8 219.76 219.76 219.76 SET AT Drilling Cost tage work  Cost g Unit strings	209.76' KB
Hours 07:00 - 13:30 1:3:00 - 17:30 17:30 - 18:00	1 2 3 4 5 5 S S S S S S S S S S S S S S S S S	O.D.  20"  R  // MAGNENT SS ON PIC  FISHING TO	I.D. ,438 WALL  Report of O	Operation RUNS PU MA BEAM.  EAM OUT O	SAGNET ON CEIVEL	Total FIRST RUN	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Cognin Cement all Drill Stem Telectric Log	87.95 131.92 175.8 219.76 219.76 219.76 219.76 SET AT Drilling Costage work  Cost g Unit strings ests	209.76' KB
Hours 07:00 - 13:30 1:3:00 - 17:30	1 2 3 4 5 5 S S S S S S S S S S S S S S S S S	O.D.  20"  R  // MAGNENT SS ON PIC  FISHING TO	I.D. ,438 WALL  Report of O	Operation RUNS PU MA BEAM.  EAM OUT O	BEVELED  S  AGNET ON  F HOLE.	Total FIRST RUN	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Food Drilling Day Water Drilling Mud Coum. Mud Loggin Cement all Electric Log Bits, Supplied	87.95 131.92 175.8 219.76 219.76 219.76 219.76 SET AT Drilling Cost tage work  Cost g Unit strings fests ses	209.76' KB
Hours 07:00 - 13:30 1:3:00 - 17:30 17:30 - 18:00	1 2 3 4 5 5 5 S S S S S S S S S S S S S S S S	O.D.  20"  R  // MAGNENT SS ON PIC  FISHING TO  NG TOOL.  SHING TOO	I.D.  ,438 WALL  Report of C  T MADE 8 F  KING UP HA  D FISH H B	Operation RUNS PU MA BEAM.  EAM OUT O	BEVELED  S AGNET ON  F HOLE.  CEIVEL  T 3 1 2005	Total FIRST RUN	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Cognin Cement all Drill Stem Telectric Log	87.95 131.92 175.8 219.76 219.76 219.76 219.76 SET AT  Drilling Cost tage work  Cost g Unit strings ests ses (ell Head	209.76' KB
Hours 07:00 - 13:30 1:3:00 - 17:30 17:30 - 18:00 18:00 -18:30 18:30 - 19:00	1 2 3 4 5  FISHING W NO SUCCE  BUILDING  P/U FISHIN  T.I.H. W/FI  FISHING.	O.D.  20"  R  // MAGNENT SS ON PIC  FISHING TO  NG TOOL.  SHING TOO	I.D.  ,438 WALL  Report of C  T MADE 8 F  KING UP HA  D FISH H B	Operation RUNS PU MA BEAM.  EAM OUT O	SAGNET ON CEIVEL	Total FIRST RUN	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Foo Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W Supervision	87.95 131.92 175.8 219.76 219.76 219.76 219.76 SET AT  Drilling Cost tage work  Cost g Unit strings ests ses (ell Head	209.76' KB
Hours 07:00 - 13:30 1:3:00 - 17:30 17:30 - 18:00 18:00 -18:30	1 2 3 4 5  FISHING W NO SUCCE  BUILDING  P/U FISHIN  T.I.H. W/FI  FISHING.	O.D.  20"  R  // MAGNENT SS ON PIC  FISHING TO  NG TOOL.  SHING TOO	I.D.  ,438 WALL  Report of C  T MADE 8 F  KING UP HA  D FISH H B	Operation RUNS PU MA BEAM.  EAM OUT O	BEVELED  S AGNET ON  F HOLE.  CEIVEL  T 3 1 2005	Total FIRST RUN	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W Supervision Other	87.95 131.92 175.8 219.76 219.76 219.76 SET AT Drilling Cost tage work  Cost g Unit strings ests s es /ell Head	209.76' KB
Hours 07:00 - 13:30 17:30 - 17:30 17:30 - 18:00 18:00 - 18:30 18:30 - 19:00 19:00 - 19:30	1 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	O.D.  20"  R  // MAGNENT SS ON PICT SS ON PICT SHING TOOL  TRIEVED F	I.D.  ,438 WALL  Report of Control  T MADE 8 F  KING UP H  D FISH H B  DL.  ISH.	Operation RUNS PU MA BEAM.  EAM OUT O	SAGNET ON CEIVEL	Total FIRST RUN	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Food Drilling Day Water Drilling Mud Coum. Mud Coum. Mud Coum. Mud Coum. Mud Coum. Cement all Drill Stem Telectric Log Bits, Supplic Casing & W. Supervision Other Cum. Daily	87.95 131.92 175.8 219.76 219.76 219.76 SET AT Drilling Costage work  Cost g Unit strings ests es /ell Head	209.76' KB
Hours 07:00 - 13:30 1:3:00 - 17:30 17:30 - 18:00 18:00 -18:30 18:30 - 19:00	1 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	O.D.  20"  R  // MAGNENT SS ON PICT SS ON PICT SHING TOOL  TRIEVED F	I.D.  ,438 WALL  Report of Control  T MADE 8 F  KING UP H  D FISH H B  DL.  ISH.	Operation RUNS PU MA BEAM.  EAM OUT O	SAGNET ON CEIVEL	Total FIRST RUN	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W Supervision Other	87.95 131.92 175.8 219.76 219.76 219.76 219.76 SET AT Drilling Cost tage work  Cost g Unit strings ests es /ell Head  Costs Costs	209.76' KB
Hours 07:00 - 13:30 17:30 - 17:30 17:30 - 18:00 18:00 - 18:30 18:30 - 19:00 19:00 - 19:30	1 2 3 4 5  FISHING W NO SUCCE  BUILDING  P/U FISHIN  T.I.H. W/FI  FISHING.  T.O.H. RE  L/D FISH.  RIG UP & F	O.D.  20"  R  // MAGNENT SS ON PICE FISHING TO  SHING TOOL  TRIEVED F  P/U TUBING  VELDING C	I.D.  ,438 WALL  Report of C  T MADE 8 F  KING UP H  D FISH H B  DL.  ISH.	Operation RUNS PU MA BEAM.  EAM OUT O  PLE  DIV. OF O	BEVELED  BEVELED  S  AGNET ON  F HOLE.  CEIVEI  T 3 1 2005	Total FIRST RUN	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Foo Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplii Casing & W Supervision Other Cum. Daily Total Well of Rotating	87.95 131.92 175.8 219.76 219.76 219.76 SET AT Orilling Cost tage work  Cost g Unit strings ests es /ell Head  Costs Costs tegory	209.76' KB sts Daily
Hours 07:00 - 13:30 1:3:00 - 17:30 17:30 - 18:00 18:00 - 18:30 18:30 - 19:00 19:00 - 19:30 20:00 - 21:00 21:00 - 04:00	1 2 3 4 5  FISHING W NO SUCCE  BUILDING  P/U FISHIN  T.I.H. W/FI  FISHING.  T.O.H. RE  L/D FISH.  RIG UP & F  P/U AND V  X70 BEVEL	O.D.  20"  R  // MAGNENT SS ON PICE  FISHING TO  SHING TOOL  TRIEVED F  P/U TUBING  VELDING C.  ED ENDS.	I.D.  ,438 WALL  ,438 WALL  Report of C  T MADE 8 F  KING UP H  D FISH H B  DL.  ISH.  ASING . RU	DIV. OF O	BEVELED  BEVELED  S  AGNET ON  F HOLE.  CEIVEL  T 3 1 2005  IL, GAS & MI	Total FIRST RUN NING	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Foo Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Supervision Other Cum. Daily Total Well ( Time Cat Rotating Drlg.(non re	87.95 131.92 175.8 219.76 219.76 219.76 SET AT Drilling Cost tage work  Cost g Unit strings tests is es /ell Head  Costs Costs tegory  tating)	t 209.76' KB sts Daily
Hours 07:00 - 13:30 1:3:00 - 17:30 17:30 - 18:00 18:00 - 18:30 18:30 - 19:00 19:00 - 19:30 19:30 - 20:00	1 2 3 4 5  FISHING W NO SUCCE  BUILDING  P/U FISHIN  T.I.H. W/FI  FISHING.  T.O.H. RE  L/D FISH.  RIG UP & F  P/U AND V  X70 BEVEL	O.D.  20"  R  // MAGNENT SS ON PICE  FISHING TO  SHING TOOL  TRIEVED F  P/U TUBING  VELDING C.  ED ENDS.	I.D.  ,438 WALL  ,438 WALL  Report of C  T MADE 8 F  KING UP H  D FISH H B  DL.  ISH.  ASING . RU	DIV. OF O	BEVELED  BEVELED  S  AGNET ON  F HOLE.  CEIVEL  T 3 1 2005  IL, GAS & MI	Total FIRST RUN NING	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Foo Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W Supervision Other Cum. Daily Total Well Time Cat Rotating Drlg.(non ro	87.95 131.92 175.8 219.76 219.76 219.76 SET AT Drilling Cost tage work  Cost g Unit strings tests is es /ell Head  Costs Costs tegory  tating)	t 209.76' KB sts Daily
Hours 07:00 - 13:30 1:3:00 - 17:30 17:30 - 18:00 18:00 - 18:30 18:30 - 19:00 19:00 - 19:30 19:30 - 20:00 20:00 - 21:00 21:00 - 04:00	1 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	O.D.  20"  R  // MAGNENT SS ON PICT SS ON PICT SHING TOOL  TRIEVED F  P/U TUBING VELDING CASING FOR	I.D.  ,438 WALL  ,438 WALL  REPORT OF COMMENTS  ASING . RURAL  REPORT OF COMMENTS  ASING . RURAL  REPORT OF COMMENTS  BJ SAFET	DIV. OF O	BEVELED BEVELED S AGNET ON F HOLE.  CEIVEL T 3 1 2005 IL, GAS & MI	Total FIRST RUN NING	43.99 43.96 43.97 43.88 43.96  219.76  Item Drilling Food Drilling Day Water Drilling Mud Coum. Mud Coum. Mud Coum. Mud Coum. Mud Coum. Mud Coum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & W. Supervision Other Cum. Daily Total Well Coum. Daily Total Well Country Coun	87.95 131.92 175.8 219.76 219.76 219.76 SET AT Drilling Cost tage work  Cost g Unit strings ests s es /ell Head  Costs Costs tegory  tating)	t 209.76' KB sts Daily

# FNTREPID OIL + GAS DAILY DRILLING REPORT 43-019-31452

Well Name	TW	/O FER # 26	-30		Location	5	SEC 26 - T 265	6 - R 20E	
Date	11/2/05	Rig 151	HEI	NKEL	Present Op	eration	WELDIN	IG ON 21 1/4	" FLANGE
Day No.	10	Formation			Lithology				
Depth ft	212	Previous De	epth	212	Proposed 1			11,580	
Made	NONE	ft in		hrs	Drilling rate	e of		ft. per hr.	
		<b>-</b>		Mud					
Weight		Chlorides		Calcium		Solids		L.C.M.	
VIS. Fun.		P.V.		Y.P.		Gels	· · · · · · · · · · · · · · · · · · ·	PH	
Water loss		Filter Cake		KCL %		Oil %		Nitrates	
Augraga		Maximum		Mud Gas		Tain		<b>F</b> 1	
Average		_	litions last	Connection		Trip duct & Quantity	·····	Flare .	
		muu auc	וונוטווס ומסנ	24 Hours	FIOC	auct & Quantity			
									·
				E	Bit Record	d			
WOB		RPM			С	umulative Rotating I	Hours	58	
Dull Bit No.		Size		Туре		_ Ser. No.		Jets	
Depth Out		Made		ft in		_ hrs. Ft/hr		Dull Gr.	
Present Bit #	1	Size	26"	Туре	7.3	Ser. No.		Jets	
Depth in	15	<sub>-</sub> Made		ftin	58	_ hrs.	Avg. ft./hr.		
		mps	BOF				Drag and C	ondition In	fo.
Mud Pump	No. 1	No. 2		pest Casing	٠,	String W	/eight		onditions
Make			Size	Depth	Min. Burst			Tight S	Spots Out
Liner			20"	207		Pick Up	·	Depth	Over Pull
Stroke				Shoe test		Slack Off	<del></del>		
SPM			Equiv. Mud			Rotating Torque			
GPM			1	Last BOP C	Check	Neutral			
Pump psi			Pressure T			Pick Up		Takes Weigh	nt trip In
Slow Pump F SPM			BOP Drill 8		40 / 61 1 1571	Slack Off			
Pump psi			Drill String Annular Vo		#VALUE!	Last Date BHA		E. (E:	
Fullip psi			4			Inspected		Ft. of Fill	
			ng anu b	Ottom Ho	ie Assemi	bly Configuratio	n		
	Drill Pipe								ve ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	llars
	Bottom Ho	le Assembl	v	L	<u> </u>	<u> </u>	<u> </u>	Cumuli	ative feet
Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Lenath	from bi	
		0.5.	"						•
CASING	1	20"	,438 WALL	BOREX70	BEVELED	ENDS	43.99	43.99	
	2						43.96	87.95	
	3						43.97	131.92	
	4						43.88	175.8	
	5						43.96	219.76	
								219.76	
						· · · · · · · · · · · · · · · · · · ·		219.76	
				ļ				219.76	
	<u> </u>	l	<u></u>	<u> </u>	<u></u>	Total			
			Repor	t of Opera	ations		1	Orilling Cos	
Hours							Item		Daily
07:00 - 22:30	CLEANING	OUT CELL	AR. 108'L	EEP.			Drilling Foo		
22:20 07:00	VA/EL DING	ON 04 4/48	ONA VAUTI	L DOZ DINIO	ODOVE W	ELD ON ELANOE	Drilling Day	work	
22:30 - 07:00	WELDING	ON 21 1/4"	2M - WITE	1 R37 RING	GROVE W	ELD ON FLANGE	Water		
	ECT DDE	SSURE UP	1.4.00 UDC				Drilling Mud		
	EST. FRE	SSURE UP	14.00 nrs.				Cum. Mud		
							Mud Loggir Cement all		
	<del>                                     </del>						Drill Stem 7		
				···			Electric Log		
							Bits, Suppli		
<del></del>				<del></del>			Casing & V		
	LOADING	20 JTS. 4 1/	2" DP AND	HALLED TO	O RIG			· · · · · · · · · · · · · · · · · · ·	
						<del></del>		-	
							Other	•	
							Cum. Daily	Costs	· · · · · · · · · · · · · · · · · · ·
							Total Well		
							Time Ca		Hrs.
							Rotating	- <b>-</b>	29
							Drlg.(non ro	otating)	
							Csg. & Cm		
	NO ACCID						Evaluation		
	ICACCTV M	EETING.		·			Unschedule	ed Events	
Drilling Supe		CLINT RHO				Tool Push			

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<ri>crichard.miller@intrepidpotash.com>, <hugh.harvey@intrepidpotash.com>,</ri>

<rick.york@intrepidpotash.com>

Date:

11/2/2005 7:36:21 AM

Subject:

TWO FER 26-30 REPORT

RICHARD,

EST: PRESSURE UP 16:00 HRS THIS AFTERNOON. STILL WELDING ON FLANG. WE WILL HAVE A LOT OF HAMMERING UP THE BOLTS ON THE 21 1/4" 2M - W/R 37 RING GROVE BOP STACK.

WE CAN USE THE AIRCOM INJECTION PUMP TO PSI UP ANT TEST BOP STACK TO 1.000 PSI.

THANKS FOR YOUR HELP, HAVE A SAFE DAY.

**CLINT RHODD** 

**CC:** <jim.lewis@intrepidpotash.com>, <bartkettle@utah.gov>, <katie.keller@intrepidpotash.com>, <caroldaniels@utah.gov>

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<richard.miller@intrepidpotash.com>, <hugh.harvey@intrepidpotash.com>,

<br/>
<br/>
bobi@intrepidpotask.com>

Date:

11/3/2005 8:49:57 AM

Subject:

TWO FER 26-30

RICHARD,

WE HAVE PRESSURED UP TO 1000 PSI NO LEAKS AT SURFACE BUT IT WILL NOT HOLE. WE PRESSURE UP TO 1000 PSI AND IT BLEADS OFF TO 200 PSI IN 15 MINUTES. WE TAGED CEMENT WITH DRILL STRING AT 175' KB MESUREMENTS.

ACTS LIKE HAVE A CHANNEL IN OUR CMT JOB. TRYING TO GET HOLD OF CEMENT CONTRACTOR TO PUMP CEMENT DOWN DRILL PIPE.

THANKS FOR YOUR HELP, HAVE A SAFE DAY

**CLINT** 

**CC:** <rick.york@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>, <bartkettle@utah.gov>, <katie.keller@intrepidpotash.com>

# RECEIVED NOV 0 3 2005

DIV. OF OIL, GAS & MINING

INTR	E PID	011	. +	DAILY	DRILLING RE	PORT (	13-019	_3145	<b>5</b>
Well Name	TW	O FER # 26	GAS 3-30		Location		C 26 - T 26	_	<del></del>
Date	11/3/05	Rig		NKEL	Present Operation	<u> </u>		NG BOP STAC	K NO SUCC
Day No.	11	Formation			Lithology				
Depth ft	212	Previous D	epth	212	Proposed TD				
Made		ft in	•	hrs	Drilling rate of		#DIV/0!	ft. per hr.	
		•		- Mud	ŭ		•	•	
Weight		Chlorides		Calcium		Solids		L.C.M.	
VIS. Fun.		P.V.		Y.P.		- Gels		– L.O.W PH	
Water loss		Filter Cake		KCL %		Oil %		_ Nitrates	
***		- I ilici Galic	-	Mud Gas		- 011 70		_ Miliales _	
Average		Maximum		Connection	•	Trip		Flare	
/ wordge	<del>.</del>		ditions last	-		& Quantity	-	_ riale _	
					Bit Record				
WOB		RPM			Cumu	lative Rotating Hours		58	
Dull Bit No.	· · · · · · · · · · · · · · · · · · ·	Size		Туре		Ser. No.		Jets	
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	1	Size	26"	Туре	7.3	Ser. No.		_ Jets _	
Depth in	15	Made	197	ft in	58	- hrs.	Avg. ft./hr.		
	Pui	mps	E	OP Info	rmation	Hole D		ondition In	fo
Mud Pump	No. 1	No. 2		Deepest Ca		String Wei			onditions
Make		1	Size	Depth	Min. Burst	Neutral	giit		Spots Out
Liner			20"	207	Willia Burst	Pick Up		Depth	Over Pull
Stroke	· · · · · ·			Shoe test		Slack Off			Over Puli
SPM			Equiv. Muc			Rotating Torque		<del></del>	
GPM				Last BOP	hock	Neutral		ļ	
Pump psi		-	Pressure T		JIIGUN	Pick Up	H	Tolera Mi	i albė ėsis. Is
Slow Pump F			BOP Drill 8			4 '		- rakes vve	eight trip In
SPM					40 (61 1151	Slack Off		<u> </u>	
			Drill String			Last Date BHA			
Pump psi		L	Annular Vo			Inspected		Ft. of Fill	
		Drill	String an	d Bottom	Hole Assembly	Configuration			
Size	Drill Pipe Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	Cumulati top of col	ive ft. from llars
	Rottom Ho	le Assemb	l l						-4: 64
Item	Quantity	O.D.	iy I.D.	Thread	Lbs./ft	Crada	l a		ative feet
iteiii	Quantity	J U.D.	1.D. 1	i iireau	LDS./It	Grade	Length	from bit	ι
CASING	1	20"	130 10/01 1	BOREX70	BEVELED	ENDS	43.99	43.99	
OAGING	2	20	1,700 VVALE	BOILEATO	DLVLLLD	LINDS	43.96	87.95	
	3						43.97	131.92	·····
	4		<del> </del>		<del> </del>				
		<b></b>	<del> </del>				43.88	175.8	
	5		ļ	ļ			43.96	219.76	
								219.76	
								219.76	
	ļ		ļ				ļ	219.76	
	L.,		<u> </u>			Total	219.76	<u> </u>	
	_		Re	port of O	perations			Drilling Cos	its
Hours							Item		Daily
07:00 -09:00	FINISH WE	ELDING ON	21 1/4" - 2N	I WITH R 3	7 RING GASKET.		Drilling Foo	otage	•
	Y 2000 200 2						Drilling Da	ywork	
09:00 - 12:00	NIPPLE UP	21 1/4" HY	DRILL DRII	LL AND 16"	DEVERTER.		Water	· -	
							Drilling Mu	d -	
12:00 - 15:30	T.I.H WITH	I 14" BIT AN	D AIR HAM	MER DRILL	T0 186'		Cum. Mud		
							Mud Loggi	_	
15:30 - 16:00	P/U LOWE	R KELLY C	OCK PRE	PAIR TO TE	ST BOP AND CASI	NG	Cement all		
10.00	.,0 20112				EUT BOT THE OTHER		Drill Stem		
16:00 - 19:30	GOOSE N	ECK I FAKIN	IG LD/ DEF	RICK AND	REPAIRES STAND	PIPE & TIGHTEN	Electric Lo		
10.00 10.00					DERRICK, INSTAL		Bits, Suppl		
					BELOW HYDRILL.	LED KELLT HOSE			
	BACK ON	STAND FIF	E & HIGHTE	INFLANGE	BELOW HIDRILL.		Casing & \	veli nead	
40.20 04.20	CLOCE UV	(DDIII & D	DECCURE	LID ON BOD	CAOK PRECOUR	E LID TO 4000 DOL NO	ĺ	-	
19:30 - 01:30						E UP TO 1000 PSI. NO		-	
						. IN 20 MIN. & FALLIN			
	I			PSI. NO LEA	AKS AT SURFACE. I	PSI. BLEADING OFF	Cum. Dail		
		I IN 30 MIN.					Total Well		
01:30 - 05:30					IT OF WELL. HAD A	BUNDANCE OF FOA	Time Ca	itegory	Hrs.
-		OLE. CLEA					Rotating	- •	·
05:30 - 07:00					SI. NO LEAKS AT T	HE SURFACE. PSI.	Drlg.(non r	otatina)	
					. IN 14 MINUTES. I		Csg. & Cm		
	1						Evaluation		
	<u> </u>						Unschedul		
Drilling Supe	rvisor	CLINT RHO	מחס		····	Tool Pusher			

"Clint Rhodd" <clintrhodd 62@hotmail.com>

To:

<richard.miller@intrepidpotash.com>, <bobj@intrepidpotask.com>.

<hugh.harvey@intrepidpotash.com>, <rick.york@intrepidpotash.com>

Date:

11/4/2005 7:53:40 AM

Subject:

TWO FER 26-30

RICHARD,

THE REASON THE HAMMER QUIT WORKING NOT ENOUGH CIRCULATION TIME TO CLEAN HOLE. WHEN THE AIR COMPRESSOR WAS SHUT DOWN THE TOOL WOULD U TUBE SAND UP INSIDE DRILL PIPE. CAUSING HAMMER TO QUIT. THE DART VALVE IN TOOL TAKES A LITTLE TIME TO CLOSE.

PS. "CHRIS" HOPE TO BE 1000' BY LATE SUNDAY EVENING.

THANKS FOR YOUR HELP. HAVE A SAFE DAY

**CLINT RHODD** 

**CC:** <jim.lewis@intrepidpotash.com>, <katie.keller@intrepidpotash.com>, <bartkettle@utah.gov>, <caroldaniels@utah.gov>, <dustindoucet@utah.gov>

**DAILY DRILLING REPORT** 

Location

Well Name

TWO FER # 26-30

SEC 26 - T 26S - R 20E ation DRILLING @ 518'

S/STONE

6.800

Day No		Rig		NKEL	Present Op	eration	D	RILLING @	
Day No. Depth ft	12 518	Formation Previous De	S/STON	<u>N⊏</u> 212	Lithology Proposed T	.D		S/STONE 6,800	
Made	306	ft in	-	hrs	Drilling rate		36.00	ft. per hr.	
Made		, 10 111	0.0	Mud	Drilling rate	OI .	30.00	it. per iii.	
Weight	AIR MIST	Chlorides		Calcium		Colido		LOM	
VIS. Fun.	AIR MIST	P.V.		Y.P.		Solids Gels		L.C.M.	
Water loss	AIN WIST	Filter Cake		KCL %		Oil %		. PH Nitrates	
vvater 1055		I liter Cake		Mud Gas		. 011 76		· Miliales	
Average		Maximum		Connection		Trip		Flare	
		ii	ditions last			Quantity		. Hare	
	DRILLING \				PRESSORS				
:			<del>·</del>	Bit R	ecord		<del></del>		
WOB	5 - 10 K	RPM	50			ative Rotatin	a Hours	66.5	
Dull Bit No.	War Taran	Size		Туре	o aa.c	Ser. No.	ig i louio	Jets	•
Depth Out	$\mathcal{A}_{\mathcal{P}}^{d,2,2,2,2} = \mathcal{A}_{\mathcal{P}}^{d,2,2,2}$	Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	<del></del>	Size	14"	Туре	BUTTON	Ser. No.	MB14004	Jets	3 X 20/32
Depth in	212	Made	306	ft in	8.5	hrs.	Avg. ft./hr.	36.00	<u> </u>
•	Pur	nps	BOP			•	Ū	d Condition	on Info
Mud Pump	No. 1	No. 2		pest Casing			g Weight		onditions
Make	3 AIR	COMP.	Size	Depth	Min. Burst		y weight		Spots Out
Liner			20"	207	1,550#	Pick Up		Depth	Over Pull
Stroke				Shoe test	1,000	Slack Off			0,0,,, a,,
SPM			Equiv. Mud		AIR		g Torque		
GPM				Last BOP (		Neutral	3		
Pump psi			Pressure T	ested To	1,000	Pick Up		Takes W	eight trip In
Slow Pump F	i		BOP Drill 8	Function	11.3/02	Slack Off			
SPM			Drill String			Last Date	BHA		***************************************
Pump psi			Annular Vo	l. Bbls.		Inspected		Ft. of Fill	
	Dri	II String a	ind Botto	m Hole As	ssembly C	onfigura	tion		
	<b>Drill Pipe</b>	_			-			Cumulat	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	
4 1/2	16.6	Е	1						
5 9/10						a digital			
								11	
	<b>Bottom Ho</b>							Cumu	lative feet
Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from b	it
				·	ļ				
					1				
					<del> </del>		ļ		
							F	ECEIV	<b>∃D</b>
							ļ	ECEIVI	
				**************************************			ļ	ECEIVI	
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								NOV 8 4 20	905
						Total			905
		F	Report of	Operation	)S	Total	DIV. C	NOV 8 4 20 FOIL, GAS&	MINING
Hours		F	Report of	Operation	ns	Total	DIV. C	NOV 8 4 20	MINING sts
Hours 07:00 - 09:00	UNLOADE		•	-	ns	Total	DIV. C	NOV 8 4 20 FOIL, GAS & Drilling Co	MINING
Hours 07:00 - 09:00	UNLOADE		•	-	ns	Total	DIV. C	FOIL, GAS & Drilling Co	MINING sts
		O WATER C	OUT OF WE	LL.		Total	DIV. C	FOIL, GAS & Drilling Co	MINING sts
07:00 - 09:00 09:00 - 09:30	INSTALL R	O WATER O	OUT OF WE	LL. ERS TO DRI	LL AHEAD.	Total	DIV. C Item Drilling Foo Drilling Day	FOIL, GAS & Orilling Co	MINING sts
07:00 - 09:00	INSTALL R	O WATER O	OUT OF WE	LL. ERS TO DRI	LL AHEAD.	Total	DIV. C Item Drilling Foo Drilling Day Water	FOIL, GAS & Drilling Co	MINING sts
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30	INSTALL R	O WATER O	DUT OF WE HEAD ORDE M 175 TO 2	LL. RS TO DRI 12' 37' ROI	LL AHEAD. P 37' FPH	Total	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin	FOIL, GAS & Drilling Co. tage work	MINING sts
07:00 - 09:00 09:00 - 09:30	INSTALL R	O WATER O	DUT OF WE HEAD ORDE M 175 TO 2	LL. RS TO DRI 12' 37' ROI	LL AHEAD. P 37' FPH	Total	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all	FOIL, GAS & Drilling Co. tage work Cost g Unit strings	MINING sts
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00	INSTALL R DRILG. CE	O WATER O OTATION H MENT FRO OM 212' TO	DUT OF WE HEAD ORDE M 175 TO 2 307 95' R	LL. RS TO DRI 12' 37' ROI	LL AHEAD. P 37' FPH	Total	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all	FOIL, GAS & Drilling Co. tage work Cost g Unit strings ests	MINING sts
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30	INSTALL R DRILG. CE	O WATER O OTATION H MENT FRO OM 212' TO	DUT OF WE HEAD ORDE M 175 TO 2 307 95' R	LL. RS TO DRI 12' 37' ROI	LL AHEAD. P 37' FPH	Total	Item Drilling Food Drilling Day Water Drilling Much Cum. Mud Coggin Cement all Drill Stem Telectric Log	FOIL, GAS & Drilling Cootage work  Cost g Unit strings lests	MINING sts
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 14:30	DRILG. CE	O WATER O OTATION F MENT FRO OM 212' TO 2 307' 1/2 E	DUT OF WE HEAD ORDE M 175 TO 2 307 95' R DEG.	ERS TO DRI 12' 37' ROI 30P 27.14' I	LL AHEAD. P 37' FPH FPH	Total	Item Drilling Food Drilling Day Water Drilling Mud Coum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplied	FOIL, GAS & Drilling Cootage work  Cost g Unit strings lests ls	MINING sts
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00	DRILG. CE	O WATER O OTATION F MENT FRO OM 212' TO 2 307' 1/2 E	DUT OF WE HEAD ORDE M 175 TO 2 307 95' R DEG.	ERS TO DRI 12' 37' ROI 30P 27.14' I	LL AHEAD. P 37' FPH FPH	Total	Item Drilling Food Drilling Day Water Drilling Much Cum. Mud Coggin Cement all Drill Stem Telectric Log	FOIL, GAS & Drilling Cootage work  Cost g Unit strings lests ls	MINING sts
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 14:30 14:30 - 18:00	DRILG. CE DRILG. FRI SURVEY @	OWATER CONTATION H MENT FRO OM 212' TO 2 307' 1/2 E	DUT OF WE HEAD ORDE M 175 TO 2 307 95' R DEG.	ERS TO DRI 12' 37' ROI ROP 27.14' I	LL AHEAD. P 37' FPH FPH	Total	Item Drilling Food Drilling Day Water Drilling Mud Coum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplied	FOIL, GAS & Drilling Cootage work  Cost g Unit strings lests ls	MINING sts
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 14:30	DRILG. CE DRILG. FRI SURVEY @	OWATER CONTATION H MENT FRO OM 212' TO 2 307' 1/2 E	DUT OF WE HEAD ORDE M 175 TO 2 307 95' R DEG.	ERS TO DRI 12' 37' ROI ROP 27.14' I	LL AHEAD. P 37' FPH FPH	Total	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W	FOIL, GAS & Drilling Cootage work  Cost g Unit strings lests ls	MINING sts
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 14:30 14:30 - 18:00	DRILG. FROM DRILG. FROM DRILG. FROM DRILG. FROM T.O.H WITH	O WATER O OTATION F MENT FRO OM 212' TO 2 307' 1/2 E COM 307' TO	DUT OF WE HEAD ORDE M 175 TO 2 307 95' R DEG. D 428' 121' D HAMMER	ERS TO DRI 12' 37' RO ROP 27.14' I	LL AHEAD. P 37' FPH FPH FPH.		Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W	FOIL, GAS & Orilling Cootage work Cost g Unit strings ests is es (ell Head	MINING sts
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 14:30 14:30 - 18:00	DRILG. FROM DRILG.	OWATER OF COMPANY OF THE COMPANY OF	DUT OF WE HEAD ORDE M 175 TO 2 307 95' R DEG. D 428' 121' D HAMMER	ERS TO DRI 12' 37' RO ROP 27.14' I	LL AHEAD. P 37' FPH FPH FPH.		Item Drilling Food Drilling Day Water Drilling Much Coum. Mud Coggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & Work Cother Cum. Daily	FOIL, GAS & Drilling Cootage work  Cost age Unit strings ests as es /ell Head	MINING sts
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 14:30 14:30 - 18:00	DRILG. FROM DRILG. FROM DRILG. FROM DRILG. FROM T.O.H WITH	OWATER OF COMPANY OF THE COMPANY OF	DUT OF WE HEAD ORDE M 175 TO 2 307 95' R DEG. D 428' 121' D HAMMER	ERS TO DRI 12' 37' RO ROP 27.14' I	LL AHEAD. P 37' FPH FPH FPH.		Item Drilling Food Drilling Day Water Drilling Mud Coum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & Word Coum. Daily Total Well	FOIL, GAS & Drilling Cootage work  Cost g Unit strings ests s es /ell Head  Costs Costs	MINING  sts  Daily
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 14:30 14:30 - 18:00 18:00 - 21:00 21:00 - 01:00	DRILG. CE DRILG. FRI SURVEY @ DRILG. FRI T.O.H WITH	OWATER CONTATION H MENT FRO OM 212' TO 307' 1/2 E COM 307' TO H PLUGGET OUT HAMI	DUT OF WE HEAD ORDE M 175 TO 2 307 95' R DEG. D 428' 121' D HAMMER	ERS TO DRI 12' 37' ROI ROP 27.14' I	LL AHEAD. P 37' FPH FPH FPH.		Item Drilling Food Drilling Day Water Drilling Mud Coum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & Word Coum. Daily Total Well Time Car	FOIL, GAS & Drilling Cootage work  Cost g Unit strings ests s es /ell Head  Costs Costs	MINING sts Daily Hrs.
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 14:30 14:30 - 18:00	DRILG. CE DRILG. FRI SURVEY @ DRILG. FRI T.O.H WITH	OWATER CONTATION H MENT FRO OM 212' TO 307' 1/2 E COM 307' TO H PLUGGET OUT HAMI	DUT OF WE HEAD ORDE M 175 TO 2 307 95' R DEG. D 428' 121' D HAMMER	ERS TO DRI 12' 37' ROI ROP 27.14' I	LL AHEAD. P 37' FPH FPH FPH.		Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Car Rotating	FOIL, GAS & Orilling Cootage work Cost g Unit strings ests s es /ell Head  Costs Costs Costs Costs tegory	MINING  sts  Daily
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 14:30 14:30 - 18:00 18:00 - 21:00 21:00 - 01:00	DRILG. FROM DRILG.	O WATER O OTATION F MENT FRO OM 212' TO 2 307' 1/2 E OM 307' TO H PLUGGET OUT HAMP OUT TOOL	DUT OF WE IEAD ORDE M 175 TO 2 307 95' R DEG. D 428' 121' D HAMMER MER HAD 6	ERS TO DRI 12' 37' ROI ROP 27.14' I	LL AHEAD. P 37' FPH FPH FPH. BOVE HAMM		Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Car Rotating Drlg.(non rec	FOIL, GAS & Orilling Cootage work  Cost g Unit strings ests ses /ell Head  Costs Costs Costs tegory	MINING sts Daily Hrs.
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 14:30 14:30 - 18:00 18:00 - 21:00 21:00 - 01:00	DRILG. FROM DRILG.	O WATER O OTATION F MENT FRO OM 212' TO 2 307' 1/2 E OM 307' TO H PLUGGET OUT HAMP OUT TOOL	DUT OF WE IEAD ORDE M 175 TO 2 307 95' R DEG. D 428' 121' D HAMMER MER HAD 6	ERS TO DRI 12' 37' ROI ROP 27.14' I	LL AHEAD. P 37' FPH FPH FPH. BOVE HAMM		Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Cat Rotating Drlg.(non ro	FOIL, GAS & Orilling Cootage work  Cost g Unit strings ests ses /ell Head  Costs Costs Costs tegory	MINING sts Daily Hrs.
07:00 - 09:00 09:00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 14:30 14:30 - 18:00 18:00 - 21:00 21:00 - 01:00	DRILG. FROM DRILG.	OWATER OF CONTROL OF C	DUT OF WE IEAD ORDE M 175 TO 2 307 95' R DEG. D 428' 121' D HAMMER MER HAD 6	RS TO DRI 12' 37' ROI 30P 27.14' I ROP 35' 0' SAND AE	LL AHEAD. P 37' FPH FPH FPH. BOVE HAMM		Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Car Rotating Drlg.(non rec	FOIL, GAS & Drilling Cootage work  Cost of Unit strings ests of Ses (cell Head)  Costs Costs Costs Costs Costs Costs Costs Costs	MINING  sts  Daily  Hrs.

"Clint Rhodd" <clintrhodd 62@hotmail.com>

To:

<richard.miller@intrepidpotash.com>, <dmilett@tower-energy.com>,

<br/><bobj@intrepidpotask.com>, <hugh.harvey@intrepidpotash.com>

Date:

11/4/2005 5:09:36 PM

Subject:

**EVENING REPORT TWO FER 26-30** 

RICHARD,

YOUR EVENING REPORT. DRILLING AHEAD AT 24 FEET PER HR.

RECEIVED 16 JTS OF 9 5/8" CASING. THE REST OF THE CASING WILL BE HERE BY MONDAY.

CHRIS NERUD WILL YOU BRING A BOX OF SAMPLE SACKS. WE SHOULD BE READY FRO YOU TOMORROW SOME TIMES YOUR TRAILER WILL NOT BE DELIVERED TO LOCATION TELL SUNDAY

IF WERE LUCKY. THE PWOPLE WILL BE HERE MONDAY TO HOOK IT UP FOR YOU.

THANKS FOR YOUR HELP. HAVE A SAFE DAY.

CLINT

CC:

<rick.york@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>,

<bartkettle@utah.gov>, <katie.keller@intrepidpotash.com>

INTREPID OILL GAS

DAILY DRILLING REPORT

4/3-019-3/452

Well Name		O FER # 26			Location	<u>, , , , , , , , , , , , , , , , , , , </u>	SEC 26 - 1	26S - R 20E	
Date		Rig	HEN	IKEL	Present Op	eration			
DAYS		Formation	41-	540	Lithology	-n			
Depth ft Made		Previous De		518 hrs	Proposed T			6800	
Made		1 III		Mud	Drilling rate	OI		ft. per hr.	
Weight		Chlorides		Calcium		Solids		1 C M	
VIS. Fun.		P.V.		Y.P.		. Gels		L.C.M. PH	
Water loss		Filter Cake		KCL %		Oil %		Nitrates	
		, mo. oano		Mud Gas		. 011 70		Milates	
Average		Maximum		Connection		Trip		Flare	
		Mud add	litions last	24 hours	Product 8	Quantity			
				Bit R	ecord				
WOB		RPM		_	Cumula	ative Rotatin	ig Hours	66.5	
Dull Bit No.		Size		Type		Ser. No.		Jets	
Depth Out		Made	4.48	ft in	DUTTON	hrs. Ft/hr		Dull Gr.	0 1/ 00/00
Present Bit #	212	Size	14"	Type	BUTTON	•	MB14004	Jets	3 X 20/32
Depth in		Made		ft in	8.5	hrs.	Avg. ft./hr.		
Marris D		nps	BOP					d Condition	
Mud Pump	No. 1	No. 2		pest Casing			g Weight		onditions
Make	3 AIR	COMP.	Size	Depth	Min. Burst			-	Spots Out
Liner			20"	207	1,550#	Pick Up		Depth	Over Pull
Stroke SPM				Shoe test		Slack Off			
GPM			Equiv. Mud	Last BOP C	· haale	Rotating T	orque		
Pump psi			Pressure T		1,000	Neutral Pick Up		Takaa M	
Slow Pump F			BOP Drill 8			Slack Off		rakes vv	eight trip In
SPM			Drill String			Last Date	RHA		
Pump psi			Annular Vo			Inspected	אווא	Ft. of Fill	
	Dri	II String a					tion		
	Drill Pipe	n ounig a	iiu Dotto	iii iiole As	sembly C	Jonnigura	tion.	0	64 6
Size	•	Crada	TubalD	T   T.m.	T	T	1		ive ft. from
4 1/2	Weight   16.6	Grade   E	Tube I.D.	1.J. Type	T.J. I.D.	1. J. O.D. I	Length	top of co	ollars
5 9/10	10.0	<u>_</u>							· · · · · · · · · · · · · · · · · · ·
3 3/10									
	Bottom Ho	le Assembl	V					Cumul	ative feet
Item	Quantity	O.D.	, I.D.	Thread	Lbs./ft	Grade	Length	from b	
		1			1		1		•
				· · · · · · · · · · · · · · · · · · ·					
								#VALUE!	
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						Total		#VALUE!	
			concert of	Operation		Total		#VALUE! #VALUE! #VALUE!	
House		R	Report of	Operation	ıs	Total		#VALUE! #VALUE!	
Hours	STID/IEV 6			Operation	s	Total	Item	#VALUE! #VALUE! #VALUE! Orilling Co	sts Daily
Hours 07:00 07:30	SURVEY @			Operation	S	Total	Item Drilling Foo	#VALUE! #VALUE! #VALUE!  Drilling Co	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day	#VALUE! #VALUE! #VALUE!  Drilling Co	
		518 1 1/2	DEG	Operation ROP 24		Total	Item Drilling Foo Drilling Day Water	#VALUE! #VALUE! #VALUE!  Orilling Costage work	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day Water Drilling Mud	#VALUE! #VALUE!  #VALUE!  Orilling Costage work	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud (	#VALUE! #VALUE! #VALUE!  Orilling Cost	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin	#VALUE! #VALUE!  #VALUE!  Orilling Cost tage work  Cost tag Unit	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all	#VALUE! #VALUE!  #VALUE!  Orilling Cost tage work  Cost tog Unit strings	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T	#VALUE! #VALUE! #VALUE!  Trilling Cost age work  Cost ag Unit strings ests	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all	#VALUE! #VALUE! #VALUE!  Trilling Cost age work  Cost ag Unit strings ests	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Food Drilling Day Water Drilling Muco Cum. Muco Mud Loggin Cement all Drill Stem T Electric Log	#VALUE! #VALUE! #VALUE!  Trilling Cost tage work  Cost tag Unit strings fests tags tags	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Food Drilling Day Water Drilling Muco Cum. Muco Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	#VALUE! #VALUE! #VALUE!  Trilling Cost tage work  Cost tag Unit strings fests tags tags	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	#VALUE! #VALUE! #VALUE!  Trilling Cost tage work  Cost tag Unit strings fests tags tags	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	#VALUE! #VALUE!  #VALUE!  Orilling Contage work  Cost og Unit estrings rests rests rests rests rests rests	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	#VALUE! #VALUE! #VALUE!  Trilling Cost tage work  Cost tog Unit strings tests tes /ell Head	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	#VALUE! #VALUE! #VALUE!  Orilling Cost tage work  Cost g Unit strings ests ses /ell Head  Costs Costs	Daily
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca	#VALUE! #VALUE! #VALUE!  Orilling Cost tage work  Cost g Unit strings ests ses /ell Head  Costs Costs	
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Food Drilling Day Water Drilling Much Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Rotating	#VALUE! #VALUE! #VALUE!  Drilling Contage work  Cost og Unit strings ests is es /ell Head  Costs Costs tegory	Daily
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drig.(non re	#VALUE! #VALUE! #VALUE!  Trilling Contage work  Cost og Unit strings rests res /ell Head  Costs Costs tegory  ptating)	Daily
07:00 07:30		518 1 1/2	DEG			Total	Item Drilling Food Drilling Day Water Drilling Much Cum. Mud Coggin Cement all Drill Stem Telectric Log Bits, Supplicating & Water  Other  Cum. Daily Total Well Time Car Rotating Drig. (non recogs. & Cmt	#VALUE! #VALUE! #VALUE!  Trilling Contage work  Cost og Unit strings rests res /ell Head  Costs Costs tegory  ptating)	Daily
07:00 07:30		§ 518 1 1/2	DEG			Total	Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem Total Stem Total Well Time Can Rotating Drig. (non recogs. & Cmt Evaluation	#VALUE! #VALUE! #VALUE!  Trilling Cost tage work  Cost g Unit strings ests is es /ell Head  Costs Costs tegory  ctating)	Daily
07:00 07:30	DRILG. FR	§ 518 1 1/2	DEG 0 728' 210		FPH.	Total  Total	Item Drilling Food Drilling Day Water Drilling Much Cum. Much Much Loggin Cement all Drill Stem Total Stem Casing & Word Other Cum. Daily Total Well Time Ca Rotating Drig.(non rec Csg. & Cmt Evaluation Unschedule	#VALUE! #VALUE! #VALUE!  Trilling Cost tage work  Cost g Unit strings ests is es /ell Head  Costs Costs tegory  ctating)	Daily

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<ri>crichard.miller@intrepidpotash.com>, <hugh.harvey@intrepidpotash.com>,</ri> <rick.york@intrepidpotash.com>, <bobj@intrepidpotask.com>, <jim.lewis@intrepidpotash.com>

Date:

11/6/2005 5:00:30 PM

Subject:

TWO FER 26-30 EVENING REPORT

RICHARD,

YOUR EVENING REPORT. DRILLING AHEAD AT 1490' HOLE STILL NOT MAKING WATER. STILL THE SAME.

**THANKS** 

**CLINT** 

CC:

<bartkettle@utah.gov>, <katie.keller@intrepidpotash.com>, <dustindoucet@utah.gov>

	71110	RER 26	30		ING REI	OIXI	43-01	9-3145	2
Well Name	1 wo	-1-1, 016 <del>-4/29/2005</del>			Location		SEC 26 - T	26S - R 20E	
Date	11/6/05	Rig	HEN	KEL	Present Op	eration			
Day No.	15	Formation			Lithology				
Depth ft		Previous De		1,348	Proposed T	•		6800	
<i>l</i> lade .		ft in _		hrs	Drilling rate	of .	······································	ft. per hr.	
		<b></b>		Mud		0-1:4-		LOM	
Veight		Chlorides		Calcium		Solids	<del></del>	L.C.M. PH	
/IS. Fun.		P.V.		Y.P. KCL %		Gels Oil %		Nitrates	
Nater loss		Filter Cake		Mud Gas		. Oli 76		Miliales _	
Average		Maximum		Connection		Trip		Flare	
verage			itions last			Quantity		_	
NOD		RPM		Bit R	ecord	ative Rotatin	a Houre	108	
VOB		- RPIVI Size		Туре	Cumula	Ser. No.	g i louis .	Jets	
Oull Bit No. Depth Out		_ Size Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	2	Size	14"	Туре	BUTTON		MB14004	Jets	3 X 20/32
Depth in	212	_ Gizo Made	-212	ft in	50		Avg. ft./hr.	-	
		mps	BOP		ation	- Hol	•	d Conditio	n Info.
Aud Pump	No. 1	No. 2		pest Casing			Weight		onditions
Make	3 AIR	COMP.	Size	Depth	Min. Burst		,		Spots Out
iner_			20"	207	2410	Pick Up		Depth	Over Pull
Stroke				Shoe test	<u> </u>	Slack Off			
SPM			Equiv. Mud	l Weight		Rotating T	orque		
GPM .			Date	Last BOP (		Neutral			····
Pump psi	1800CFM		Pressure T		1,000	Pick Up		Takes We	eight trip In
Slow Pump F			BOP Drill 8		11.3/02	Slack Off			
SPM		<u> </u>	Drill String			Last Date	ВНА		<del></del>
Pump psi		<u> </u>	Annular Vo			Inspected		Ft. of Fill	
	Dr	ill String a	nd Botto	m Hole A	ssembly (	Configura	tion		
	Drill Pipe	<b>:</b>							ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	liars
4 1/2	16.6	E		<u> </u>		<u> </u>	<u> </u>		
5 9/10							<u> </u>		
	<u> </u>	<u> </u>			<u> </u>	<u></u>			lativa fact
		ole Assembl			154	0		from b	lative feet
Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	<b>Length</b> 1.32	i iioiii b	it
BIT	11	14 3/4	<u> </u>	ļ	<del> </del>		5.84	5.84	
HAMMER	<del>                                     </del>	<u> </u>			+	<del>                                     </del>	0.04	0.04	
		<del> </del>	<del></del>						<del></del>
	<del> </del>	+				1	<del> </del>		
		<del> </del>	<del> </del>		<del>                                     </del>	1			
			<u> </u>	1	† · · · · · · · · · · · · · · · · · · ·				
	<del> </del>	#REF!							
				<del></del>					
	<u> </u>					Total	7.16		
		F	Report of	Operatio	ns			<b>Drilling Co</b>	sts
Hours	}		•	•			Item		Daily
07:00 - 17:30	DRILG.	FROM 1,348	3' TO 1,490	' 10.5 HRS	142' ROP	. 13.5 FPH.	Drilling Foo	tage	
<u> </u>							Drilling Day	/work	
·····							]Water		
<u> </u>							Drilling Mu		
							Cum. Mud		
							Mud Loggir		
							Cement all		
							Drill Stem		
			<u></u>				Electric Log		
		· · · · · · · · · · · · · · · · · · ·			1		Bits, Suppl		
	<del> </del>						Casing & V	veli nead	
		<del></del>					┥		
							Other		
							Cum. Daily	v Coete	
					<del> </del>		Total Well		~
	<del></del>	<u>.</u>			<del> </del>		Time Ca		
			<del></del>				Rotating	reani	
	-						Rotating Drlg.(non r	otating)	
							Csg. & Cm		
	<u> </u>								
	NO ACC	DENITO:					Evaluation		
	NO ACCI	DENTS: MEETING					Evaluation Unschedul		



#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

DIV. U. U.E. GAS & MINING FOR

FORM 6

erator:	Intrepi	d Oll & Gas LLC		One	rator A=	aaust Mi	ımber: _i	. 6810
dress:		th Street, Suite 1700		_ Ope	HELDI AU	COURT N	imberi	V
u, 000.	city De	enver		_				
	state		zip 80202	<b>-</b> <b>-</b>	P	hone Nu	mber: _(	(303) 296-3006
ell 1								\
API Nu	mber	Wel	Name	QQ	Sec	Twp	Rng	County
019-3	1452	Two-Fer 26-30		SESW	26	265	20E	Grand
Action	Code	Current Entity Number	New Entity Number	5	pud Da	t e	Ent	ity Assignment Hective Date
A	is: The	Number 9999 Two-Fer 26-30 well is to	Number 15029 he initial test well bein	1	0/28/20	05	<i>]]</i>	19/05
A Comment	ts: The Octo	Number 99999 Two-Fer 26-30 well is to ber 1,2005.	Number 15029 he initial test well bein	g drilled wi	0/28/200 thin the	05 Two-Fer	// Unit app	19/05 roved effective
A	ts: The Octo	Number 99999 Two-Fer 26-30 well is to ber 1,2005.	Number 15029 he initial test well bein	1	0/28/201	05	<i>]]</i>	19/05
A Comment	ts: The Octo	Number 99999 Two-Fer 26-30 well is to ber 1,2005.	Number 15029 he initial test well bein	drilled wi	0/28/200 thin the	Two-Fer	Unit app	19/05 roved effective

QQ

Seç

Spud Date

Twp

Ring

County

Entity Assignment

Effective Date

#### **ACTION CODES:**

Comments:

API Number

**Action Code** 

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity

**Current Entity** 

Number

Well Name

**New Entity** 

Number

- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

Katie Keller	
Name (Please Print) Kalle	
signature (and man	11/1/05
litie	Date

(8/2000)

"Clint Rhodd" <clintrhodd 62@hotmail.com>

To:

<richard.miller@intrepidpotash.com>, <hugh.harvey@intrepidpotash.com>,

<br/><bobj@intrepidpotask.com>, <rick.york@intrepidpotash.com>

Date:

11/8/2005 11:03:59 AM

Subject:

TWO FER 26-30

RICHARD,

WE MAKING 120 GPM WATER. CHARLIE IS GOING TO START HAULING WATER TO THE DISPOSAL WELL. THE DRILLING HAS NOT PICKED UP. IM THINKING THE BIT MAY BE FLATING OUT. HINKLE IN GOING TO GET MORE AIR AND MABY A 4 OR 5 DC MORE TO MAKE THE HAMMER HIT HARDER.

SORRY ABOUT THE ATTACHMENT THIS MORNING.

CLINT

**CC:** <jim.lewis@intrepidpotash.com>, <bartkettle@utah.gov>, <katie.keller@intrepidpotash.com>, <dustindoucet@utah.gov>, <jim doherty@swn.com>

**INTREPID OIL & GAS LLC** DAILY DRILLING REPORT

43-019-31450 **Well Name** TWO FER 26-30 . SEC 26 - T 26S - R 20E Location Date 11/8/05 HENKEL Rig Present Operation DRILG FORMATION VERRY HARD Day No. Formation AQUIFER 2 BASE PLUS 16 Lithology LS LTGY, MIC-VFXL, MS-WS, HD Proposed TD Depth ft 1,693 Previous Depth 6800 Made 99 ft in 15.5 hrs Drilling rate of 6.39 ft. per hr. Mud Weight AIR MIST Chlorides Calcium Solids L.C.M. VIS. Fun. Y.P. Gels PH KCL % Water loss Filter Cake Oil % **Nitrates Mud Gas** Average Maximum Connection NONE Trip NONE Flare NONE Mud additions last 24 hours **Product & Quantity** Bit Record WOB RPM 1,497,587 50 **Cumulative Rotating Hours** 142.5 Dull Bit No. Size BUTTON 14 Type Ser. No. MB14004 Jets 3X 20/32 Depth Out 1594 Made 1,382 ft in 1.454 hrs. Ft/hr 14.5 Dull Gr IS B FLAT Present Bit # Size BUTTON MB14004 Type Ser. No. Jets 3 X 20/32 Depth in 1,594 Made 99 ft in 15.5 hrs. Avg. ft./hr. 6.38 Pumps BOP Information Hole Drag and Condition Info. **Mud Pump** No. 1 No. 2 **Deepest Casing Set String Weight Trip Conditions** Make <u> 3 A</u>IR COMP Min. Burst Size Tight Spots Out Depth Neutral Liner 20" 207 2410 Pick Up Depth Over Pull Stroke Shoe test Slack Off SPM Equiv. Mud Weight **Rotating Torque GPM** Date Last BOP Check Neutral Pump psi Pressure Tested To 1800CFM Pick Up 1.000 Takes Weight trip In Slow Pump F BOP Drill & Function Slack Off 11.3/02 SPM Drill String Vol. Bbls. AIR Last Date BHA Pump psi Annular Vol. Bbls. Ft. of Fill AIR Inspected **Drill String and Bottom Hole Assembly Configuration Drill Pine** Cumulative ft. from Size Weight Grade Tube I.D. T.J. Type T.J. I.D. T. J. O.D. Length top of collars 1/2 16.6 F 109.80 110 6 5/8 REG 1,500.00 1,610 1,610 Bottom Hole Assembly **Cumulative feet** Item Quantity O.D. I.D. Thread Lbs./ft Grade Length from bit BIT 14 3/4 1.32 HAMMER 5.84 5.84 DC 4 9" 113 118.84 #REF! 120.16 Total **Report of Operations Drilling Costs** Hours Item Daily BREAKING HAMMER OFF BIT HAD INSIDE BUTTONS FLAT. OUT SIDE BUTTONS WERE GOOD Drilling Footage 07:00 - 08:00 **BIT INGUAGE Drilling Daywork** Water 08:00 - 11:00 TAKING HAMMER TO BEEMANS TO BREAK BIT OFF. BACK AT LOCATION @ 11:00 Drilling Mud Cum. Mud Cost 11:00 - 14:30 T.I.H. WITH NEW BIT, PU/ KELLY. Mud Logging Unit Cement all strings 14:30 - 15:00 BLOW HOLE OUT. **Drill Stem Tests** Electric Logs 15:00 - 18:00 DRILG. F/ 1,594' TO 1,617' 23' 3 HRS. ROP. 7.66' FPH. Bits, Supplies Casing & Well Head 18:00 - 18:30 REPAIR ON MIST PUMP. 18:30 - 07:00 DRILG. F/1,617' TO 1,693' 76' 12.5 HRS. ROP. 6' FPH. FORMATION VERY HARD. Other Cum. Daily Costs **Total Well Costs** Time Category Hrs. Rotating 94.5 Drlg.(non rotating) Csg. & Cmt. NO ACCIDENTS Evaluation SAFETY MEETING. ON PICKING UP AND L/D DRILL PIPE Unscheduled Events **Drilling Supervisor** CLINT RHODD

Tool Pusher JIM HALE

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<richard.miller@intrepidpotash.com>, <hugh.harvey@intrepidpotash.com>, 43-019-31452 T-265 R20E5-26

<jill\_hegemier@swn.com>, <rick.york@intrepidpotash.com>

11/7/2005 7:33:00 AM

Subject:

TWO FER 26-30

RICHARD,

HAMMER QUIT. COULD BE THE BIT WE HAD SOME HARD DRILLING. SEE GEOLOGISTS REPORT ON THE REPORT.

THANKS FOR YOUR HELP. HAVE A SAFE DAY.

**CLINT** 

CC: <bobj@intrepidpotask.com>, <bartkettle@utah.gov>, <katie.keller@intrepidpotash.com>, <caroldaniels@utah.gov>

# INTREPID OIL + GAS

		0.		Y DRILL	ING RE	PORT	110-	019-31	452
Wall Name		FR 26	30		Location		• -	•	
Well Name Date		<del>4/29/2005</del> Rig	HEN	NKEL	Location Present Op	eration		26S - R 20E H. HAMMER	
Day No.	15	Formation			Lithology				
Depth ft	1,599	Previous De	•	1,348	Proposed T		40.04	6800	
Made	251	ft in	19	hrs <b>Mud</b>	Drilling rate	OT	13.21	ft. per hr.	
Weight	AIR MIST	Chlorides		Calcium		Solids		L.C.M.	
VIS. Fun.		P.V.		Y.P.		Gels		PH	
Water loss		Filter Cake		KCL %		Oil %		Nitrates	
Avorago	5	Maximum	0	Mud Gas Connection	NONE	Trin	NONE	Eloro	NONE
Average		•	8 Sitions last			Trip & Quantity	NONE	Flare	NONE
	90% LS Itg					•	TR DOL Itba	n med-crsxl	ws-ps, NFOSC
				Dit D	ecord				
WOB	4-6-M	RPM		DIL K		ative Rotatin	a Hours	127	
Dull Bit No.		Size		Туре		Ser. No.		Jets	
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	212	. Size	14"	Type ft in	BUTTON 80	Ser. No.	MB14004	Jets	3 X 20/32
Depth in		Made mps	BOF			⊔∧l	Avg. ft./hr.	17.33 d Conditio	n Info
Mud Pump	No. 1	No. 2		pest Casing			Weight		onditions
Make	3 AIR	COMP.	Size	Depth	Min. Burst		, woigin		Spots Out
Liner			20"	207	2410	Pick Up		Depth	Over Pull
Stroke				Shoe test		Slack Off			
SPM GPM			Equiv. Muc	i vveignt Last BOP 0	hock	Rotating To	orque		
Pump psi	1800CFM	<u> </u>	Pressure T		1,000	Pick Up		Takes W	eight trip In
Slow Pump F			BOP Drill 8		11.3/02	Slack Off		i anto i i	
SPM			Drill String			Last Date I	ЗНА		
Pump psi			Annular Vo			Inspected		Ft. of Fill	
		_	ina Botto	m Hole As	ssembly (	Configurat	tion	0	: <i>64                                 </i>
Size	Drill Pipe Weight	Grade	Tube I D	T i Type	T.J. I.D.	TIOD	Length	top of co	ive ft. from
4 1/2	16.6	E	l abe i.b.	1.5. Type		1. 3. O.D. 	1,591.00	1,591	niai 5
5 9/10								1,591	
	L	<u></u>						1,591	
Item	Bottom Ho	ole Assembl O.D.	ly I.D.	Thread	Lbs./ft	Grade	Length	Cumul from b	ative feet
BIT		14 3/4	I.D. 	IIII Eau		Grade	1.32	ים וווטוו	
HAMMER	<u> </u>						5.84	5.84	
		ļ							
		#REF!							
-						Total	7.16		
	1		Report of	Operation	18	IOLAI		rilling Co	ete
Hours	1	•	(cport or	Operation	13		Item	Jilling Go	Daily
07:00 - 23:00	DRILG. F	1,348' TO 1,	566' 16 HR	S 218' RC	P 13.62 FPI	Н.	Drilling Foo	tage	
							Drilling Day	work	
23:00 - 24:00	SURVEY @	2) 1,566' B	ULLS EYE.				Water Drilling Mud	i	<u> </u>
24:00 - 03:00	DRII G F/	1.566' TO	1.599' 3 H	RS. 33' RO	P 11' FPH	HAMMER O			
2 1.00 00.00	D. 1.20. 17	1,00	,,000				Mud Loggin		
03:00 - 04:00	SURVEY I	MISS RUN.					Cement all		
04:00 07:00	TO LL MAIT	CLILLA BABACTO	) IIA NANATTO	OLUT MOT	N/IN/O		Drill Stem T		<u> </u>
04:00 - 07:00	I I.O.H. WII	I H HAWWER	Y. MAIVIIVIER	QUII WOF	KNING.		Electric Log Bits, Suppli		
	<del> </del>						Casing & W		
	ļ	<del></del>	<del> </del>				Other		
							Other Cum. Daily	Costs	
	,						Total Well		
				···			Time Ca		
							Rotating		
					<del></del>	<u></u>	Drlg.(non ro		
+	NO ACCID	FNTS:					Csg. & Cmt Evaluation		
****	SAFETY N						Unschedule	ed Events	
Drilling Supe		CLINT RH	ODD		1	Tool Pusher			

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<richard.miller@intrepidpotash.com>, <hugh.harvey@intrepidpotash.com>,

<rick.york@intrepidpotash.com>, <bobj@intrepidpotask.com>

Date:

11/9/2005 7:49:10 AM

Subject:

TWO FER 26-30

RICHARD,

DRILLING AHEAD A 1,735' WITH 5 COMPRESSORS AND TWO BOOSTERS.

2 ----- 800

2 ---- 750

1 ----- 900

TOTAL 4,000 CFM AIR MINUS 23.5% FOR ELEVATION AT 4500' GIVES US 3,020 CFM DRILLING AIR VOLUM.

THANKS FOR YOUR HELP. HAVE A SAFE DAY

**CLINT** 

**CC:** <jim.lewis@intrepidpotash.com>, <bartkettle@utah.gov>, <katie.keller@intrepidpotash.com>, <caroldaniels@utah.gov>

#### INTREPID OIL + GAS LLC

**DAILY DRILLING REPORT** 43-019-31452 TWO FER 26-30 Well Name Location SEC 26 - T 26S - R 20E 11/9/05 Rig HENKEL Present Operation DRILG. WAHEAD W/ 5 AIR COMP CFM 3020 Date ST/MS Day No. Formation Lithology 17 70% LS 30% SS Depth ft 1.732 Previous Depth 1,693 Proposed TD 6800 Made 39 ft in hrs Drilling rate of 37.00 ft. per hr. Mud Weight AIR & MIST Chlorides Calcium Solids L.C.M. Gels VIS. Fun. P.V YΡ Water loss Filter Cake KCL % Oil % **Nitrates Mud Gas** Average Maximum 9 Connection NONE Trip NONE Flare NONE Mud additions last 24 hours Product & Quantity SS WH, UVF-LF GR, SBANG, PRED GRN SUPT, CALC CMT, TR GLAUC & MICA, TR P INTGRN POR, TR MNRL FLOR NO CUT **Bit Record WOB** 3,000-4000 **RPM** 50 **Cumulative Rotating Hours** Dull Bit No. 3 Size 14" Туре BUTTON Ser. No. Jets 3 5/8 Depth Out 1.695 Made 101 ft in 18.5 hrs. Ft/hr 5.45 ISB 1/2 WORE Dull Gr. Present Bit # Size 12 1/4' BUTTON 4 Type Ser. No. MB12227 Jets 3 X 20/32 Depth in 1,695 Avg. ft./hr. Made ft in hrs. **Pumps** BOP Information Hole Drag and Condition Info. **Mud Pump** No. 1 No. 2 **Deepest Casing Set String Weight Trip Conditions** Make 5 COMP 2 BOOSTERS Size Min. Burst Depth Neutral 66,000 **Tight Spots Out** - 800 CFM Liner 20" 207 Pick Up 2410 Depth Over Pull 2 - 750 CFM Stroke Shoe test Slack Off Equiv. Mud Weight SPM 1 - 900 CFN **Rotating Torque GPM** -23.50% Date Last BOP Check Neutral Pump psi 3020 CFM Pressure Tested To 1,000 Pick Up Takes Weight trip In Slow Pump I **BOP Drill & Function** Slack Off 11.3/02 SPM Drill String Vol. Bbls. #VALUE! Last Date BHA Pump psi Annular Vol. Bbls. #VALUE! Inspected Ft. of Fill **Drill String and Bottom Hole Assembly Configuration Drill Pipe** Cumulative ft. from Size Weight Grade Tube I.D. T.J. Type T. J. O.D. T.J. I.D. Length top of collars 1/2 16.6 5" 6 5/8 REG Bottom Hole Assembly **Cumulative feet** O.D. LD. item Quantity Thread Lbs./ft Grade Length from bit BIT 14 3/4 0.55 5.84 HAMMER 9 5.84 DC 4 9" 118.84 #REF! Total 119.39 **Report of Operations Drilling Costs** Hours Item Daily 07:00 - 10:00 DRILG. F/1,693 TO 1,695' 3 HRS. 2' ROP 1.5 FPH **Drilling Footage Drilling Daywork** 10:00 - 13:30 T.O.H. WITH BIT BIT INSIDE BUTTONS FLAT BIT IN GUAGE Water **Drilling Mud** 13:30 - 18:00 BREAKING HAMMER AND LOADING OUT TO TAKE TO BEAMANS TO Cum. Mud Cost BREAK INSIDE BUTTONS WORE DOWN HALF, WOUT SIDE BUTTONS Mud Logging Unit NEW. BIT IN GUAGE Cement all strings **Drill Stem Tests** 18:00 - 19:00 MAKING UP NEW 12 1/4" BIT ON HAMMER. Electric Logs Bits, Supplies 19:00 - 23:30 T.I.H. WITH 12 1/4" AIR BIT. AND HAMMER. Casing & Well Head 23:30 - 04:30 RIGGING UP 2 MORE COMPRESSORS AND A BOOSTER TOTAL AIR. 5 COMPRESSORS & 2 BOOSTERS Other Cum. Daily Costs 04:30 - 05:30 DRILG FROM 1,695' TO 1,715' 20' IN 1/2 HR. ROP 40' FPH. **Total Well Costs** Time Category Hrs. 05:30 - 06:00 MAKINT CONNECTION @ 1,715' HAD 5' FILL ON CONNECTION. Rotating Drlg.(non rotating)

ROP. 24.66

Csg. & Cmt. Evaluation

Tool Pusher JIM HALE

Unscheduled Events

06:00 - 07:00 DRILG FRON 1,715' TO 1,732 37' 1.5 HRS.

**Drilling Supervisor** 

NO ACCIDENTS. SAFETY MEETING.

CLINT RHODD

From: To:

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

<richard.miller@intrepidpotash.com>, <hugh.harvey@intrepidpotash.com>,

<rick.york@intrepidpotash.com>

Date:

11/10/2005 7:45:44 AM

Subject:

TWO FER 26-30 REPORT

RICHARD,

WE HAVE BEEN HABING A PROBLEM WITH THE CLUTCH ON MIST PUMP. THE CLUTCH IS OUT ON THE MIST PUMP. NOW WAITING ON NEW MIST PUMP.

DRILLING GOING GOOD WHEN THE MIST PUMP IS RUNNING GOOD.

THANKS FOR YOUR HELP HAVE A SAFE DAY.

CLINT.

CC: <katie.keller@intrepidpotash.com>

INTREPIT OIL & GAS LLC DAILY DRILLING REPORT

	70	NO FER	26-30				43-01	9-3/45:	2
Well Name	<del>-</del>	MS # 10-26		·	Location	<del>- ,</del>		Г 26S - R 20E	
Date Day No.	11/10/05 18	Rig Formation		NKEL FONE	Present Op Lithology	eration		PACKAGE D	OOWN , ARG, HD TT
Depth ft		Previous Dep		1,732'	Proposed T	-D	LO MICAL-I	6800	, ARG, HD II
Made	223	ft in	17.5	hrs	Drilling rate		12.74	ft. per hr.	
				Mud				<u>.</u>	
Weight	AIR MIST	Chlorides	70,000	Calcium	40	Solids		L.C.M.	
VIS. Fun. Water loss		P.V. Filter Cake		Y.P. KCL %	<del> </del>	Gels Oil %	<del> </del>	PH Nitrates	
Water 1033		I liter Cake		Mud Gas		. 011 76		. Miliales	
Average	4	Maximum	6	Connection	NONE	Trip	NONE	Flare	NONE
			itions last 2		Product 8	& Quantity		-	
	FUNCTION TE	STANNULA	RPRIVENT	ER.					
			<del></del>	Bit Red	ord				
WOB	3 4000	RPM	50			ative Rotatin	g Hours	161.5	
Dull Bit No.		Size		Туре		Ser. No.		Jets	·
Depth Out		Made	40 4/41	ft in	DUTTON	hrs. Ft/hr	140,40007	Dull Gr.	
Present Bit # Depth in	<u>4</u> 1,695'	Size Made	12 1/4" 260	Type ft in	BUTTON 19.5	Ser. No. hrs.	MB12227 Avg. ft./hr.	Jets 13.33	3 X 20/32
<b>Верити</b>	Pun		BOF	•		-	•	d Conditio	on Info
Mud Pump	No. 1	No. 2		pest Casing			y Weight		onditions
Make		BOOSTERS		Depth	Min. Burst		,g		Spots Out
Liner	2 - 800 CFM		20"	207	2410	Pick Up		Depth	Over Pull
Stroke	2 - 750 CFM		 	Shoe test		Slack Off			
SPM GPM	1 - 900 CFM -0.235		Equiv. Muc	ı vveignt Last BOP C	hock	Rotating T	orque		
Pump psi	3020 CFM		Pressure T		1,000	Pick Up	<del></del>	Takes W	eight trip In
Slow Pump F			BOP Drill 8		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Slack Off		1	
SPM			Drill String			Last Date	ВНА		
Pump psi	D-::1	l C4	Annular Vo			Inspected		Ft. of Fill	
		String and	a Bottom	Hole Ass	embly Co	niiguratio	on		
Size	Drill Pipe Weight	Grade	Tube I D	T.J. Type	TIID	TIOD	Length		ive ft. from
4 1/2	16.6	E	Tube I.D.	1.5. Type	1.J. 1.D. 	1. 3. O.D. 	336.00	top of co	nars
7"			5"	6 5/8 REG			1500'		
			l			<u> </u>			
Itom	Bottom Hole	•	l n	Throad	l be /ft	Grada	Longth		ative feet
Item BIT	Bottom Hole a Quantity 1	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	Cumul from b	
Item BIT HAMMER	Quantity	O.D. 14 3/4 9"	I.D.	Thread	Lbs./ft	Grade	Length 0.55 5.84		
BIT	Quantity 1	O.D. 14 3/4	I.D.	Thread	Lbs./ft	Grade	0.55	from b	
BIT HAMMER	Quantity 1	O.D. 14 3/4 9"	I.D.	Thread	Lbs./ft	Grade	0.55 5.84	from b 5.84	
BIT HAMMER	Quantity 1	O.D. 14 3/4 9"	I.D.	Thread	Lbs./ft	Grade	0.55 5.84	from b 5.84	
BIT HAMMER	Quantity 1	O.D. 14 3/4 9"	I.D.	Thread	Lbs./ft	Grade	0.55 5.84	from b 5.84	
BIT HAMMER	Quantity 1	O.D. 14 3/4 9"	I.D.	Thread	Lbs./ft	Grade	0.55 5.84	5.84 118.84	
BIT HAMMER	Quantity 1	O.D. 14 3/4 9" 9"	I.D.	Thread	Lbs./ft		0.55 5.84 113	from b 5.84	
BIT HAMMER	Quantity 1	O.D. 14 3/4 9" 9" 9"			Lbs./ft	Grade	0.55 5.84 113	5.84 118.84 #VALUE!	it
BIT HAMMER	Quantity 1	O.D. 14 3/4 9" 9" 9"		Thread	Lbs./ft		0.55 5.84 113	5.84 118.84	sts
BIT HAMMER DC Hours	Quantity 1	O.D. 14 3/4 9" 9" REF!	port of O	perations		Total	0.55 5.84 113	#VALUE!	it
BIT HAMMER DC  Hours 07;00 - 10:30	Quantity 1 1 4 DRILG. FRO	O.D.  14 3/4  9"  9"  REF!  Re	port of O	perations		Total	0.55 5.84 113 119.39 Item Drilling Food	#VALUE!	sts
BIT HAMMER DC  Hours 07;00 - 10:30	Quantity 1 1 4	O.D.  14 3/4  9"  9"  REF!  Re	port of O	perations		Total	0.55 5.84 113 119.39 Litem Drilling Food	#VALUE! Drilling Costage work	sts
BIT HAMMER DC  Hours 07;00 - 10:30	Quantity 1 1 4  DRILG. FRO	O.D.  14 3/4 9" 9"  #REF!  Re  M 1,732' TO	port of O 1,800' 68' HOLE.	perations 3 HRS. R	OP. 22.66	Total FPH.	0.55 5.84 113 119.39 Litem Drilling Food Drilling Day Water Drilling Muc	#VALUE! Drilling Costage work	sts
BIT HAMMER DC  Hours 07;00 - 10:30	Quantity 1 1 4 DRILG. FRO	O.D.  14 3/4 9" 9"  #REF!  Re  M 1,732' TO  JT OF TIGHT	port of O 1,800' 68' HOLE.	perations 3 HRS. R	OP. 22.66'	Total FPH.	0.55 5.84 113 119.39 Litem Drilling Foo Drilling Day Water Drilling Muc	#VALUE!  Trilling Cost  tage work	sts
Hours 07;00 - 10:30 11:00 - 16:00	Quantity 1 1 4  DRILG. FRO WORKING OL ATTEMPT TO KELLY BUSHI	O.D.  14 3/4 9" 9" 9"  #REF!  Re  M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW	port of O 1,800' 68' HOLE. NECTION. H	perations 3 HRS. F	COULD NO	Total FPH.	0.55 5.84 113 119.39 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all	#VALUE!  Drilling Cost age work  Cost ag Unit strings	sts
Hours 07;00 - 10:30 11:00 - 16:00	Quantity  1  1  4  DRILG. FRO  WORKING OL  ATTEMPT TO  KELLY BUSHI  DRILLING 1,8	O.D.  14 3/4 9" 9" 9"  #REF!  Re  M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW  00' TO 1,943	port of O  1,800' 68'  HOLE.  NECTION. H //ING HOLE	perations 3 HRS. F	COULD NO	Total FPH.	0.55 5.84 113 119.39 Item Drilling Food Drilling Day Water Drilling Muc Cum. Mud Cum. Mud Loggin Cement all	#VALUE! Drilling Cost tage work Cost og Unit strings ests	sts
Hours 07;00 - 10:30 11:00 - 16:00	Quantity 1 1 4  DRILG. FRO WORKING OL ATTEMPT TO KELLY BUSHI	O.D.  14 3/4 9" 9" 9"  #REF!  Re  M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW  00' TO 1,943	port of O  1,800' 68'  HOLE.  NECTION. H //ING HOLE	perations 3 HRS. F	COULD NO	Total FPH.	0.55 5.84 113 119.39 Item Drilling Food Drilling Day Water Drilling Muc Cum. Mud Cum. Mud Loggin Cement all Drill Stem Telectric Log	#VALUE!  Drilling Cost age work  Cost ag Unit strings ests as	sts
Hours 07;00 - 10:30 11:00 - 16:00	Quantity  1  1  4  DRILG. FRO  WORKING OL  ATTEMPT TO  KELLY BUSHI  DRILLING 1,8	O.D.  14 3/4 9" 9" 9"  #REF!  Re  M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW  00' TO 1,943	port of O  1,800' 68'  HOLE.  NECTION. H //ING HOLE	perations 3 HRS. F	COULD NO	Total FPH.	0.55 5.84 113 119.39 Item Drilling Food Drilling Day Water Drilling Muc Cum. Mud Coum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Suppli	#VALUE! Drilling Cost tage work Cost og Unit strings ests gs es	sts
Hours 07;00 - 10:30 11:00 - 16:00 16:00 - 06:00	Quantity  1  1  4  DRILG. FRO  WORKING OL  ATTEMPT TO  KELLY BUSHI  DRILLING 1,8  HAVING PRO  REPAIR ON M	O.D.  14 3/4 9" 9" 9"  #REF!  Re M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW  00' TO 1,943 BLEM WITH I	port of O  1,800' 68'  HOLE.  NECTION. H /ING HOLE  ' 155' 14 MIST PUMF	perations 3 HRS. R HAD 6" FILL WAITING O	COULD NO N STRING . 11' FPH.	FPH.  T GET FLOAT.	0.55 5.84 113 119.39 Item Drilling Food Drilling Day Water Drilling Muc Cum. Mud Cum. Mud Loggin Cement all Drill Stem Telectric Log	#VALUE! Drilling Cost tage work Cost og Unit strings ests gs es	sts
Hours 07;00 - 10:30 11:00 - 16:00 16:00 - 06:00	DRILG. FRO WORKING OL ATTEMPT TO KELLY BUSHI DRILLING 1,8 HAVING PRO	O.D.  14 3/4 9" 9" 9"  #REF!  Re M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW  00' TO 1,943 BLEM WITH I	port of O  1,800' 68'  HOLE.  NECTION. H  VING HOLE  ' 155' 14  MIST PUMF  LUTCH. CL  JMP. WAITI	perations  3 HRS. F  HAD 6" FILL WAITING O  HRS. ROP  UTCH OUT NG ON MIS	COULD NO N STRING . 11' FPH.	FPH.  T GET FLOAT.	0.55 5.84 113 119.39 Lem Drilling Foo Drilling Muc Cum. Mud Cum. Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	#VALUE! Drilling Cost tage work Cost og Unit strings ests gs es	sts
Hours 07;00 - 10:30 11:00 - 16:00 16:00 - 06:00	Quantity  1  1  4  DRILG. FRO  WORKING OL  ATTEMPT TO  KELLY BUSHI  DRILLING 1,8  HAVING PRO  REPAIR ON M	O.D.  14 3/4 9" 9" 9"  #REF!  Re M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW  00' TO 1,943 BLEM WITH I	port of O  1,800' 68'  HOLE.  NECTION. H  VING HOLE  ' 155' 14  MIST PUMF  LUTCH. CL  JMP. WAITI	perations  3 HRS. F  HAD 6" FILL WAITING O  HRS. ROP  UTCH OUT NG ON MIS	COULD NO N STRING . 11' FPH.	FPH.  T GET FLOAT.	0.55 5.84 113 119.39 Litem Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coun. Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	#VALUE!  #VALUE!  Drilling Cost age work  Cost ag Unit strings ests gs es /ell Head	sts
Hours 07;00 - 10:30 11:00 - 16:00 16:00 - 06:00	DRILG. FRO WORKING OL ATTEMPT TO KELLY BUSHI DRILLING 1,8 HAVING PRO	O.D.  14 3/4 9" 9" 9"  #REF!  Re M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW  00' TO 1,943 BLEM WITH I	port of O  1,800' 68'  HOLE.  NECTION. H  VING HOLE  ' 155' 14  MIST PUMF  LUTCH. CL  JMP. WAITI	perations  3 HRS. F  HAD 6" FILL WAITING O  HRS. ROP  UTCH OUT NG ON MIS	COULD NO N STRING . 11' FPH.	FPH.  T GET FLOAT.	0.55 5.84 113 119.39 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	#VALUE!  #VALUE!  Drilling Cost tage work  Cost og Unit strings ests ses Vell Head	sts
Hours 07;00 - 10:30 11:00 - 16:00 16:00 - 06:00	DRILG. FRO WORKING OL ATTEMPT TO KELLY BUSHI DRILLING 1,8 HAVING PRO	O.D.  14 3/4 9" 9" 9"  #REF!  Re M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW  00' TO 1,943 BLEM WITH I	port of O  1,800' 68'  HOLE.  NECTION. H  VING HOLE  ' 155' 14  MIST PUMF  LUTCH. CL  JMP. WAITI	perations  3 HRS. F  HAD 6" FILL WAITING O  HRS. ROP  UTCH OUT NG ON MIS	COULD NO N STRING . 11' FPH.	FPH.  T GET FLOAT.	0.55 5.84 113 119.39 Item Drilling Food Drilling Day Water Drilling Mud Coum. Mud Coum. Mud Coum. Mud Coument all Drill Stem Telectric Log Bits, Supplicating & Word Coum. Daily Total Well	#VALUE!  Drilling Cost tage work  Cost og Unit strings ests gs es Vell Head	sts Daily
Hours 07;00 - 10:30 11:00 - 16:00 16:00 - 06:00	DRILG. FRO WORKING OL ATTEMPT TO KELLY BUSHI DRILLING 1,8 HAVING PRO	O.D.  14 3/4 9" 9" 9"  #REF!  Re M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW  00' TO 1,943 BLEM WITH I	port of O  1,800' 68'  HOLE.  NECTION. H  VING HOLE  ' 155' 14  MIST PUMF  LUTCH. CL  JMP. WAITI	perations  3 HRS. F  HAD 6" FILL WAITING O  HRS. ROP  UTCH OUT NG ON MIS	COULD NO N STRING . 11' FPH.	FPH.  T GET FLOAT.	0.55 5.84 113 119.39 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	#VALUE!  Drilling Cost tage work  Cost og Unit strings ests gs es Vell Head	sts
Hours 07;00 - 10:30 11:00 - 16:00 16:00 - 06:00	DRILG. FRO WORKING OL ATTEMPT TO KELLY BUSHI DRILLING 1,8 HAVING PRO	O.D.  14 3/4 9" 9" 9"  #REF!  Re M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW  00' TO 1,943 BLEM WITH I	port of O  1,800' 68'  HOLE.  NECTION. H  VING HOLE  ' 155' 14  MIST PUMF  LUTCH. CL  JMP. WAITI	perations  3 HRS. F  HAD 6" FILL WAITING O  HRS. ROP  UTCH OUT NG ON MIS	COULD NO N STRING . 11' FPH.	FPH.  T GET FLOAT.	0.55 5.84 113 119.39 Ltem Drilling Food Drilling Muchan Cum. Mud Coggin Cement all Drill Stem Telectric Log Bits, Supplicasing & Wolfer Cum. Daily Total Well Time Carrotal Rotating Drig. (non recognition)	#VALUE!  #VALUE!  Orilling Cost tage work  Gost tag Unit strings ests gs es Vell Head	sts Daily
Hours 07;00 - 10:30 11:00 - 16:00 16:00 - 06:00	Quantity  1  1  4  DRILG. FRO  WORKING OL  ATTEMPT TO  KELLY BUSHI  DRILLING 1,8  HAVING PRO  REPAIR ON M  CLUTCH OUT  AIR PACKAGI	O.D.  14 3/4 9" 9" 9"  #REF!  Re M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW  00' TO 1,943 BLEM WITH I	port of O  1,800' 68'  HOLE.  NECTION. H  VING HOLE  ' 155' 14  MIST PUMF  LUTCH. CL  JMP. WAITI	perations  3 HRS. F  HAD 6" FILL WAITING O  HRS. ROP  UTCH OUT NG ON MIS	COULD NO N STRING . 11' FPH.	FPH.  T GET FLOAT.	0.55 5.84 113 119.39 Ltem Drilling Foo Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro	#VALUE!  #VALUE!  Orilling Cost tage work  Gost tag Unit strings ests gs es Vell Head	sts Daily  Hrs.
Hours 07;00 - 10:30 11:00 - 16:00 16:00 - 06:00	DRILG. FRO WORKING OL ATTEMPT TO KELLY BUSHI DRILLING 1,8 HAVING PRO	O.D.  14 3/4 9" 9" 9"  #REF!  Re M 1,732' TO  JT OF TIGHT  MAKE CONN NG IN BLOW  00' TO 1,943 BLEM WITH I	port of O  1,800' 68'  HOLE.  NECTION. H  VING HOLE  ' 155' 14  MIST PUMF  LUTCH. CL  JMP. WAITI	perations  3 HRS. F  HAD 6" FILL WAITING O  HRS. ROP  UTCH OUT NG ON MIS	COULD NO N STRING . 11' FPH.	FPH.  T GET FLOAT.	0.55 5.84 113 119.39 Ltem Drilling Food Drilling Muchan Cum. Mud Coggin Cement all Drill Stem Telectric Log Bits, Supplicasing & Wolfer Cum. Daily Total Well Time Carrotal Rotating Drig. (non recognition)	#VALUE! #VALUE!  Drilling Cost tage work  Cost og Unit strings ests js es Vell Head  Costs Costs tegory  ctating)	sts Daily  Hrs.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<richard.miller@intrepidpotash.com>, <hugh.harvey@intrepidpotash.com>,

<rick.york@intrepidpotash.com>

Date:

11/11/2005 7:42:53 AM

Subject:

TWO FER 26-30

RICHARD,

TRIPPING OUT OF HOLE TO CHECK AIR HAMMER. MAY HAVE TO REVIRSE DRILG.

WILL CALL YOU WHEN WE GET OUT OF THE HOLE.

THANKS FOR YOUR HELP, HAVE A SAFE DAY CLINT

**CC:** <bobj@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>, <katie.keller@intrepidpotash.com>, <bartkettle@utah.gov>

#### INTREPID OIL + GAS LLC

43-019-31452 **DAILY DRILLING REPORT** TWO PER 26-30 SEC 26 - T 26S - R 20E Well Name Location TRIP OUT TO CK HAMMER 11/11/05 Rig HENKEL Date **Present Operation** Day No. 19 Formation NΑ Lithology NA Proposed TD Depth ft 1,955 Previous Depth 6800 Made NONE ft in NO hrs Drilling rate of NONE ft. per hr. Mud Weight Chlorides Calcium Solids L.C.M. VIS. Fun. P.V. Y.P. Gels PH Water loss Filter Cake KCL % Oil % **Nitrates Mud Gas** Average 0u Maximum 0u Connection 0u Trip NONE NONE Flare Mud additions last 24 hours **Product & Quantity Bit Record** WOB **RPM Cumulative Rotating Hours #VALUE!** Dull Bit No. Size Type Ser. No. Jets Depth Out hrs. Ft/hr Made ft in Dull Gr. Present Bit # 4 Size 12 1/4" BUTTON Ser. No. Type MB12227 Jets 3 X 20/32 Depth in 1,695 **#VALUE!** Made ft in **#VALUE!** hrs. Avg. ft./hr. BOP **Pumps** Information Hole Drag and Condition Info. **Mud Pump** No. 1 No. 2 **Deepest Casing Set** String Weight **Trip Conditions** Make 5 COMP BOOSTER: Size Min. Burst Neutral Depth **Tight Spots Out** 2 - 800 CFM Liner 20" 207 Pick Up 2410 Depth Over Pull 2 - 750 CFM Stroke Slack Off Shoe test SPM 1 - 900 CFM Equiv. Mud Weight **Rotating Torque GPM** -0.235 Date Last BOP Check Neutral Pump psi 3020 CFM Takes Weight trip In Pressure Tested To 1,000 Pick Up Slow Pump F **BOP Drill & Function** Slack Off SPM Drill String Vol. Bbls. Last Date BHA Pump psi Annular Vol. Bbls. Inspected Ft. of Fill **Drill String and Bottom Hole Assembly Configuration Drill Pipe** Cumulative ft. from Size Weight Tube I.D. T.J. Type Grade T.J. I.D. T. J. O.D. Length top of collars 4 1/2 16.6 7' 5" 6 5/8 REG **Bottom Hole Assembly Cumulative feet** ltem Quantity O.D. I.D. Thread Lbs./ft Grade Lenath from bit BIT 14 3/4 0.55 HAMMER 1 ġ, 5.84 5.84 DC 4 9" 113 118.84 #REF! Total 119.39 Report of Operations **Drilling Costs** Hours Item Daily DRILG. FROM 1,943' TO 1,955' 12' 1/2 HR. ROP 24'FPH. 07:00 - 07:30 Drilling Footage **Drilling Daywork** WAITING ON MIST PUMP. RECEIVED MIST PUMP @ 13:00 HRS ON LINE AT 14:00 HRS. UNLOADING HOLE. THE TWO STAGE BOOSTER 07:30 - 15:30 Water **Drilling Mud** DROPPED DRIVE LINE Cum. Mud Cost Mud Logging Unit 15:30 - 23:30 REPAIR ON DRIVE LINE ON TWO STAGE BOOSTER. HAD PROBLEM Cement all strings INSTALLING DRIVE LINE **Drill Stem Tests** Electric Loas UNLOADING WATER OUT OF WELL. HAD A FULL 6" COMING OUT OF BLOWIE LINE. WITH 640 PSI. PSI. DROPPED BACK TO 500 PSI FOR 30 23:30 - 01:00 Bits. Supplies Casing & Well Head MINUTWS THEN TO 370 PSI. 01;00 - 02:00 ATTEMPT TO DRILG. NO SUCCESS HAMMER NOT WORKING WITH Other Cum. Daily Costs THE AMOUNT OF WATER THE HOLE IS MAKING. **Total Well Costs** 02:00 - 07:00 T.O.H. TO CHECK BHA TOOLS. Time Category Hrs. Rotating 113.5 SAFETY MEETING ON WELL KICK PRECIDURES. WITH THE DAY AND Drlg.(non rotating) NIGHT CREWS. TOOLPUSHER, MUD ENG, HAMMER MAN, AIR COMP Csg. & Cmt. PERSONNEL. AND THE COMPANY MAN. Evaluation NO ACCIDENTS Unscheduled Events **CLINT RHODD Drilling Supervisor** Tool Pusher JIM HALE

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<richard.miller@intrepidpotash.com>, <hugh.harvey@intrepidpotash.com>,

<rick.york@intrepidpotash.com>, <bobj@intrepidpotask.com>

Date:

11/12/2005 7:29:44 AM

Subject:

Two Fer 26-30

RICHARD,

DRILG ahead at 1969'

Thanks for your help, Have a safe day.

Clint

# INTREPIO OIL +GAS LLC

### DAILY DRILLING REPORT

Date   Date   Day No.   20	Well Name		FER 26	, <del>-</del>		Location		43-01	9-3145;	<u> </u>
Depth   1,989   Previous Depth   1,985   Proposed TD   8800	Date				NKEL		eration	OLO ZO		
Made	Day No.							3 GY-BR, M	ICXL MS-PS	, HD TT NFOS
Works		<del> </del>		•						
Weight   8.6   Chlorides   70,000   Calcium   Solids   C.M.	Made	14	πın	4.5	•	Drilling rate	OT	3.11	π. per nr.	
Work   State	Weight	8.6	Chlorides	70,000			Solids		L.C.M.	
Average	VIS. Fun.		1						PH	
Average	Water loss		Filter Cake	=======================================			Oil %		Nitrates	
Mud additions last 24 hours	Average	3	Maximum	5		NONE	Trip	NONE	Flare	NONE
WOB			Mud add	litions last	24 hours	Product 8			•	<del></del>
WOB				*****						
Dull Bit No.   Depth Out					Bit R				-	· · · · · · · · · · · · · · · · · · ·
Depth Out		4 -6,000		60	Tumo	Cumula		ng Hours		
Present Bit #   5			•							
Depth   No. 2	Present Bit #	5		12 1/4"		BUTTON			•	3 X 20/32
Mul Pump   No. 1   No. 2   Deepest Casing Set   String Weight   Trip Conditions	Depth in	1,955	Made				•	Avg. ft./hr.		
Make   2   AIR COMP   Size   Depth   Min. Burst   Neutral   72,000   Tight Spots OU		Pur	nps	BOF	Inform	ation	Но	le Drag an	d Condition	on Info.
Liner   1-800 CFM   20"   201   2410   Pick Up   72,000   Depth   Cover Pull	Mud Pump		_			•		- •		
Stroke   1-750 CFM										
SPM				20		2410			•	
Date Last BOP Check   Neutral   72,000   Neutral   72,000   Takes Weight trip In   Neutral   72,000   Neut		1- 730 Cr IV		Fauiv Muc					GOOD	NONE
Pump psi   1.550 CFM	GPM				•	heck		•		<del></del>
Slow Pump FMIN 23.5% 1,185 CFM BOP Drill & Function   Signa Months   Signa Mont	Pump psi	1,550 CFM							Takes W	eight trip In
Pump psi	•	MIN 23.5%	1,185 CFM			38,675	4			
Drill String and Bottom Hole Assembly Configuration  Drill Pipe Weight Grade Tube I.D. T.J. Type T.J. I.D. T. J. O.D. Length 1,855.00 1,855    REV-PIPE 5"   1,855.00 1,855							£ .	ВНА		
Size   Weight   Grade   Tube I.D. T.J. Type   T.J. I.D. T. J. O.D.   Length   1,855.00   1,855   1,8	Pump psi		U 04-i	•					Ft. of Fill	
Size   Weight   Grade   REV-PIPE   S"   Tube I.D. T.J. Type   T.J. I.D. T.J. O.D.   Length   top of collars   1,855.00   1,855   1,8			ıı String a	na Botto	m Hole As	ssembly C	ontigura	tion		
Tilling   Tilling   Total	Sizo.	•	Grado	Tubo I D	T l Tuno	*	T . O.D	l amarth		
Bottom Hole Assembly   Cumulative feet   Cumul		weight			i.J. Type	1.J. I.D.	1. J. Q.D. I	. •		ollars
Bottom Hole Assembly   1,855   Cumulative feet from bit   1   12 1/4"   1   12 1/4"   1   13 155   Cumulative feet from bit   0.55			INDV -1 II C					1,000.00		
Item   RIT										
BIT	_		•	•						
#REFI	****			ı I.D.	Thread	Lbs./ft	Grade		from b	it
#REF!    Total 113.55	ВП	1	12 1/4					0.55		
#REF!    Total   113.55	DC	4	9"	5"	7 5/8 reg	100		113	113.55	
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AIR DEVERTER AND NIPPLE UP REVERSE DRILLING SYSTEM.  16:30 - 21:00 T.I.H. TO REVERSE DRILL TO 1,945'  21:00 - 21:30 RUN IN TAG WATER LEVEL @ 600'  21:30 - 00:30 MAKE UP JET STRING AND RUN INSIDE REVERSE DRILL PIPE.  21:30 - 02:30 CITCULATE HOLE CLEAN.  00:30 - 02:30 CITCULATE HOLE CLEAN.  00:30 - 07:00 REV. DRILG F/ 1,955' TO 1,969' 14' 4.5 HRS. ROP 3.11' FPH. WI  CONNECTIONS. ON BOTTOM 4 'FPH  Cum. Daily Costs  Total Well Costs  Time Category  Hrs.  Rotating  Drilg.(non rotating)  Csg. & Cmt.  Evaluation  NO ACCIDENTS.  SAFETY MEETINGON REV. DRILG, & EYE AND EAR PROTECTION  Unscheduled Events			··········							
Cum. Mud Cost  16:30 - 21:00 T.I.H. TO REVERSE DRILL TO 1,945'  21:00 - 21:30 RUN IN TAG WATER LEVEL @ 600'  21:30 - 00:30 MAKE UP JET STRING AND RUN INSIDE REVERSE DRILL PIPE.  21:30 - 00:30 CITCULATE HOLE CLEAN.  22:30 - 07:00 REV. DRILG F/1,955' TO 1,969' 14' 4.5 HRS. ROP 3.11' FPH. WI  CONNECTIONS. ON BOTTOM 4 ' FPH  Cum. Daily Costs  Time Category Rotating Drlg.(non rotating) Csg. & Cmt. NO ACCIDENTS. SAFETY MEETINGON REV. DRILG. & EYE AND EAR PROTECTION Unscheduled Events	10:00 - 16:30							_		
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21:00 - 21:30 RUN IN TAG WATER LEVEL @ 600'  21:30 - 00:30 MAKE UP JET STRING AND RUN INSIDE REVERSE DRILL PIPE.  21:30 - 00:30 CITCULATE HOLE CLEAN.  02:30 - 07:00 REV. DRILG F/1,955' TO 1,969' 14' 4.5 HRS. ROP 3.11' FPH. WI Cum. Daily Costs  CONNECTIONS. ON BOTTOM 4' FPH  Cum. Daily Costs  Total Well Costs  Time Category Hrs.  Rotating Drlg.(non rotating)  Csg. & Cmt.  Evaluation  NO ACCIDENTS.  SAFETY MEETINGON REV. DRILG. & EYE AND EAR PROTECTION  Unscheduled Events	16:30 - 21:00	TIH TO	REVERSE	DRILL TO	045'	<del></del>		-		
21:30 - 21:30 RUN IN TAG WATER LEVEL @ 600'  21:30 - 00:30 MAKE UP JET STRING AND RUN INSIDE REVERSE DRILL PIPE.  00:30 - 02:30 CITCULATE HOLE CLEAN.  02:30 - 07:00 REV. DRILG F/ 1,955' TO 1,969' 14' 4.5 HRS. ROP 3.11' FPH. WI Com. Daily Costs  CONNECTIONS. ON BOTTOM 4 ' FPH  Total Well Costs  Time Category Rotating Drig.(non rotating) Csg. & Cmt. NO ACCIDENTS.  SAFETY MEETINGON REV. DRILG. & EYE AND EAR PROTECTION Unscheduled Events	10.30 - 21.00	1.1.71. 10	ILVEILOL	DIVILL 10	1,040					
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Casing & Well Head  00:30 - 02:30 CITCULATE HOLE CLEAN.  02:30 - 07:00 REV. DRILG F/ 1,955' TO 1,969' 14' 4.5 HRS. ROP 3.11' FPH. WI Other  CONNECTIONS. ON BOTTOM 4' FPH  Total Well Costs  Time Category Rotating Drlg.(non rotating) Csg. & Cmt. NO ACCIDENTS. SAFETY MEETINGON REV. DRILG. & EYE AND EAR PROTECTION Unscheduled Events										
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CONNECTIONS. ON BOTTOM 4 ' FPH  Total Well Costs  Time Category Hrs. Rotating 118 Drlg.(non rotating) Csg. & Cmt. NO ACCIDENTS. SAFETY MEETINGON REV. DRILG. & EYE AND EAR PROTECTION Unscheduled Events	02:20 07:00	DEV DDI	LC E/4 055	TO 1 000!	441 45 115	C DOD 1	441 EDIL 184	1045		
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Time Category Hrs. Rotating 118 Drlg.(non rotating) Csg. & Cmt. Evaluation SAFETY MEETINGON REV. DRILG. & EYE AND EAR PROTECTION Unscheduled Events		OCIVIALOT	IONO. ON	DOTTON14	1 [ 11					
Rotating 118 Drlg.(non rotating) Csg. & Cmt. NO ACCIDENTS. SAFETY MEETINGON REV. DRILG. & EYE AND EAR PROTECTION Unscheduled Events					<del></del>					Hre
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Csg. & Cmt.  NO ACCIDENTS.  SAFETY MEETINGON REV. DRILG. & EYE AND EAR PROTECTION Unscheduled Events									otating)	
SAFETY MEETINGON REV. DRILG. & EYE AND EAR PROTECTION Unscheduled Events									•	
				DEM DOM	O 0 EVE A	ND CAD DE	OTE OTION		.al ("	
ENTINEER PROPERTY OF THE PROPE	Drilling Supp				G. & ETE Al				eu Events	

### INTRAPIO OIL + GAS LLC

DAILY DRILLING REPORT

			6 => _				73-017	0, /~~	-
Well Name	· -e	0 FER 3 HMS # 18-20	7 30		Location	9	SEC 26 - T 26	S - R 20F	
Date	11/13/05	Rig		NKEL	Present Op			EVIRSE. DR	11.0
						erauon			
Day No.	21	Formation		STONE	Lithology		S LTGY-BRI	N, MIC-FXL,	MS-WS, TT H
Depth ft	2,020	Previous De	epth	1,969	Proposed 7	ΓD		6800	
Made	51	ft in	17.5	hrs	Drilling rate	of	2.91	ft. per hr.	
		•		Mud				,	
\A/a:ab4	I 00	Oblasidas	70.000			0 11 1			
Weight	Jan- <u>00</u>	Chlorides	72,000	Calcium		Solids		L.C.M.	
VIS. Fun.		P.V.		Y.P.		Gels		PH	
Water loss		Filter Cake		KCL %		- Oil %		Nitrates	
		· · ······		Mud Gas		- 011 70		· Miliales	
			_						
Average	4	Maximum	6	Connection		_ Trip	NONE	Flare	NONE
		Mud add	litions last	24 hours	Produ	ict & Quantity			
		NO INCREA	ASF IN WA	TFR		,			
		TTO ITTOTAL	'NO ACCIE						
			NO ACCIL						
				Bit	t Record				
WOB	5 - 8,000	RPM	60		Cui	mulative Rotating H	lours	#VALUE!	
Dull Bit No.		Size		Type	Ou.	Ser. No.	iouis		
		•		Type				Jets	
Depth Out		Made		. ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	5	Size	12 1/4"	Туре	BUTTON	Ser. No.		Jets	3 X 20/32
Depth in	1955	Made	65	ft in	22	hrs.	Avg. ft./hr.	2.95	***************************************
_ op		•		•		-	-		
	Pun	nps	BOF	o Informa	ation	Hole	Drag and (	Condition .	Info.
Mud Pump	No. 1	No. 2	Dee	pest Casing	Set	String W	eiaht /	Trip C	onditions
Make	2	AIR COMP.	Size	Depth	Min. Burst		73,000		Spots Out
			4		1				
Liner	1 -800 CFM		20"	207	2410	Pick Up	73,000		Over Pull
Stroke	1-750 CFM			Shoe test		Slack Off	73,000	GOOD	
SPM			Equiv. Muc	1 Weight		<b>Rotating Torque</b>			
GPM	***************************************			Last BOP C	haala		70.000		
						Neutral	73,000		
Pump psi	1,550 CFM		Pressure T		1,000	Pick Up	73,000	Takes W	eight trip In
Slow Pump F	MIN 23.5%	1.185 CFM	BOP Drill 8	Function	OP & CL	Slack Off	73,000		,
SPM	***************************************	1,100 01 111	Drill String		<u> </u>			NONL	
						Last Date BHA	11/11/05		
Pump psi			Annular Vo	ol. Bbls.		Inspected	?	Ft. of Fill	
	Dri	I String a	nd Botto	m Hole As	sembly (	onfiguration			
		•g u			ocinibily c	omigaration			
	Drill Pipe							Cumulat	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. J.D.	T. J. O.D.	Length	top of co	llare
7"		REV -PIPE		1	1	1.0. 0.5.			ilai 5
		KEV -PIPE					1,905.00	1,905	
			5"					1,905	
		1					1	1,905	
	<b>Bottom Hol</b>	e Assembly	<u> </u>						ative feet
14		-		<b>T</b>	11 /6/				
Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from b	
<b>item</b> BIT		-		Thread	Lbs./ft	Grade			
	Quantity	O.D.		Thread	Lbs./ft	Grade	Length 0.55		
BIT	Quantity 1	O.D. 12 1/4"	I.D.			Grade	0.55	from b	
	Quantity	O.D.		Thread 7 5/8 reg	Lbs./ft	Grade			
BIT	Quantity 1	O.D. 12 1/4"	I.D.			Grade	0.55	from b	
BIT	Quantity 1	O.D. 12 1/4"	I.D.			Grade	0.55	from b	
BIT	Quantity 1	O.D. 12 1/4"	I.D.			Grade	0.55	from b	
BIT	Quantity 1	O.D. 12 1/4"	I.D.			Grade	0.55	from b	
BIT	Quantity 1	O.D. 12 1/4" 9"	I.D.			Grade	0.55	from b	
BIT	Quantity 1	O.D. 12 1/4"	I.D.			Grade	0.55	from b	
BIT	Quantity 1	O.D. 12 1/4" 9"	I.D.			Grade	0.55	from b	
BIT	Quantity 1	O.D. 12 1/4" 9"	I.D.				0.55	from b	
BIT	Quantity 1	O.D. 12 1/4" 9"	5"	7 5/8 reg	100	Grade	0.55	from b	it
BIT	Quantity 1	O.D. 12 1/4" 9"	5"		100		0.55	from b	it
BIT	Quantity 1	O.D. 12 1/4" 9"	5"	7 5/8 reg	100		0.55 113 113.55	from b	sts
BIT  DC  Hours	Quantity 1 4	O.D. 12 1/4" 9" #REF!	I.D.	7 5/8 reg	100	Total	0.55 113 113.55 Ltem	from b	it
BIT  DC  Hours	Quantity 1 4 DRILG. FR	O.D. 12 1/4" 9" #REF!	I.D.	7 5/8 reg	100		0.55  113  113.55  Item  Drilling Foot	from bi	sts
BIT  DC  Hours	Quantity 1 4	O.D. 12 1/4" 9" #REF!	I.D.	7 5/8 reg	100	Total	0.55  113  113.55  Item  Drilling Foot Drilling Day	from bi	sts
BIT  DC  Hours	Quantity 1 4 DRILG. FR	O.D. 12 1/4" 9" #REF!	I.D.	7 5/8 reg	100	Total	0.55  113  113.55  Item  Drilling Foot Drilling Day	from bi	sts
BIT  DC  Hours 07:00 - 11:00	Quantity 1 4 DRILG. FR	O.D. 12 1/4" 9" #REF!	I.D. 5" Report of 1,984'	7 5/8 reg  of Operati	100 ons	Total GED AIR COMP	0.55  113  113.55  Item Drilling Fool Drilling Day Water	from bi	sts
BIT  DC  Hours 07:00 - 11:00	Quantity 1 4 DRILG. FR LOST AIR F	O.D. 12 1/4" 9" #REF! OM 1,969'	Report of 1,984'	of Operati	ons TREV KELL	Total  GED AIR COMP  Y. ATTEMPT	0.55  113  113.55  Item Drilling Fool Drilling Day Water Drilling Mud	from bi	sts
BIT  DC  Hours 07:00 - 11:00	Quantity 1 4 DRILG. FR LOST AIR F CONNECTION TO DRILL N	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE.	I.D.  5"  Report of 1,984'  GING OUT S. PULLED	of Operation 15' ROP 3  AIR LINE IN AIR STRING	ons .75' CHANG	Total  GED AIR COMP  Y. ATTEMPT D LEAKS IN AIR	0.55  113.55  Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud (	113  Drilling Costage work	sts
BIT  DC  Hours 07:00 - 11:00	Quantity 1 4 DRILG. FR LOST AIR F CONNECTION TO DRILL N	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE.	I.D.  5"  Report of 1,984'  GING OUT S. PULLED	of Operation 15' ROP 3  AIR LINE IN AIR STRING	ons .75' CHANG	Total  GED AIR COMP  Y. ATTEMPT	0.55  113.55  Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud (	113  Drilling Costage work	sts
BIT  DC  Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTION TO DRILL N NO WATER	O.D. 12 1/4" 9" #REF! OM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR	of Operati 15' ROP 3  AIR LINE IN AIR STRING STRING 1,0	ONS  TREV KELL G IN D/P NO 84' WILL AD	Total  GED AIR COMP  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	113  Drilling Costage work  Cost g Unit	sts
BIT  DC  Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTION TO DRILL N NO WATER	O.D. 12 1/4" 9" #REF! OM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR	of Operation 15' ROP 3  AIR LINE IN AIR STRING	ONS  TREV KELL G IN D/P NO 84' WILL AD	Total  GED AIR COMP  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s	113  Drilling Costage work  Cost g Unit strings	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTION TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item  Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s	Prilling Costage work  Cost g Unit strings ests	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTION TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item Drilling Foot Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log	Prilling Costage work  Cost g Unit strings lests is	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTION TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item Drilling Foot Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log	Prilling Costage work  Cost g Unit strings lests is	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTI TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P. 1,984' TO 1,984'	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item  Drilling Foot Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie	prilling Costage work  Cost g Unit strings lests ses	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTION TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P. 1,984' TO 1,984'	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item Drilling Foot Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log	prilling Costage work  Cost g Unit strings lests ses	sts
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Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTI TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P. 1,984' TO 1,984'	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item  Drilling Foot Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie	prilling Costage work  Cost g Unit strings lests ses	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTI TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P. 1,984' TO 1,984'	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item Drilling Fool Drilling Mud Cum. Stem Telectric Log Bits, Supplic Casing & Wo	prilling Costage work  Cost g Unit strings lests ses	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTI TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P. 1,984' TO 1,984'	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113.55  Item Drilling Fool Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplic Casing & W	from bi	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTI TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P. 1,984' TO 1,984'	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113.55  Item Drilling Fool Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily	113  Drilling Costage work  Cost g Unit strings ests s es /ell Head	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTI TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P. 1,984' TO 1,984'	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113.55  Item Drilling Fool Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplic Casing & W	113  Drilling Costage work  Cost g Unit strings ests s es /ell Head	sts
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Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTI TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P. 1,984' TO 1,984'	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well ( Time Cas	Tom bi	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTI TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P. 1,984' TO 1,984'	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item Drilling Food Drilling Mud Cum. Mud Coggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well ( Time Cat Rotating	Tom bi	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTI TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P. 1,984' TO 1,984'	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well ( Time Cat Rotating Drlg.(non ro	Tom bi	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTI TO DRILL N NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' RESSURE. ON & CHAN O SUCCES ON AIR ST	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P. 1,984' TO 1,984'	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well ( Time Cat Rotating Drlg.(non ro	Tom bi	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTI TO DRILL I NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' PRESSURE. ON & CHAN O SUCCES ON AIR ST MPT TO FII D PSI. F/ 1,5	Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P. 1,984' TO 1,984'	of Operation 15' ROP 3  AIR LINE IN AIR STRING 1,0 IPE TO SEE	ONS  TREV KELL G IN D/P NO 84' WILL AD IF BIT IS P	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well ( Time Cat Rotating Drlg.(non ro	Tom bi	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTITO DRILL NO WATER NOW ATTE	O.D. 12 1/4" 9" #REF! COM 1,969' PRESSURE. ON & CHAN O SUCCES ON AIR ST MPT TO FII D PSI. F/ 1,5 N VERY HA	Report of 1,984' GING OUT S. PULLED RING. AIR LL DRILL P.	of Operation 15' ROP 3  AIR LINE IN STRING 1,0 IPE TO SEE 1920' 36' IN	ONS  75' CHANG I REV KELL G IN D/P NG 84' WILL AD IF BIT IS P  13.5 HRS.	Total  GED AIR COMP  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE LUGGED.  ROP. 2.66' FPH.	0.55  113  113.55  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well ( Time Cat Rotating Drlg.(non ro Csg. & Cmt Evaluation	Tom bi	sts
Hours 07:00 - 11:00	DRILG. FR LOST AIR F CONNECTION TO DRILL N NO WATER NOW ATTE DRILG. 240 FORMATIO  NO ACCIDE SAFETY ME	O.D. 12 1/4" 9" #REF! COM 1,969' PRESSURE. ON & CHAN O SUCCES ON AIR ST MPT TO FII D PSI. F/ 1,5 N VERY HA	I.D.  5"  Report of 1,984'  GING OUT S. PULLED RING. AIR LL DRILL P.  984' TO 1,984'  PIC. STAIL	of Operation 15' ROP 3  AIR LINE IN STRING 1,0 IPE TO SEE 1920' 36' IN	ONS  75' CHANG I REV KELL G IN D/P NG 84' WILL AD IF BIT IS P  13.5 HRS.	Total  Total  Y. ATTEMPT D LEAKS IN AIR DD 240 FT. MORE	0.55  113  113.55  Item Drilling Fool Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well ( Time Cat Rotating Drlg.(non ro Csg. & Cmt Evaluation Unschedule	Tom bi	sts

265 20 E 26 43019 31452

From:

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>,

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<bartkettle@utah.gov>

Date:

11/13/2005 7:21:16 AM

Subject:

two fer 26-30

Richard,

drilling ahead @ 2020'.

THANKS FOR YOUR HELP. HAVE A SAFE DAY

### INTREPID OIL + GASLLC

DAILY DRILLING REPORT

43-019-31452 -WOFER 26-36 **Well Name** Location SEC 26 - T 26S - R 20E Rig Date 11/14/05 HENKEL Present Operation **DRILLING AHEAD** Day No. 22 LIMESTONE Lithology Formation LS GY-BRN, MICXL-FXL, MS, HD, TT Depth ft 2.060 **Previous Depth** 2,020 Proposed TD 6800 Made 40 ft in hrs Drilling rate of 2.35 ft. per hr. Mud Weight 93 Chlorides 72,000 Calcium 40 Solids L.C.M. VIS. Fun. AIR - FOAM P.V. Y.P. Gels PH Water loss Filter Cake KCL % Oil % **Nitrates Mud Gas** Average 3 Maximum Connection NONE Trip NONE Flare NONE Mud additions last 24 hours **Product & Quantity Bit Record** WOB 20,00 **RPM** 60 **Cumulative Rotating Hours #VALUE!** Dull Bit No. Size Type Ser. No. Jets Depth Out Made ft in hrs. Ft/hr Dull Gr. Present Bit # 5 12 1/4" Size Type BUTTON Ser. No. 3 X 20/32 Jets Depth in 1955 Made ft in 39 hrs Avg. ft./hr. **Pumps BOP** Information Hole Drag and Condition Info. **Mud Pump** No. 1 No. 2 **Deepest Casing Set** String Weight **Trip Conditions** Make AIR COMP Size Depth Min. Burst | Neutral 72,000 **Tight Spots Out** 1350 Liner 20" 207 2410 Pick Up 72,000 Depth Over Pull Stroke 1- 750 CFM Shoe test Slack Off 72,000 **SPM** Equiv. Mud Weight **Rotating Torque GPM Date Last BOP Check** Neutral 72,000 Pump psi 250 Pressure Tested To 1,000 Pick Up 72,000 Takes Weight trip In Slow Pump Rates **BOP Drill & Function** OP & CL Slack Off 72,000 **SPM** Drill String Vol. Bbls. Last Date BHA 11/11/2005 Pump psi Annular Vol. Bbis. Inspected Ft. of Fill **Drill String and Bottom Hole Assembly Configuration Drill Pipe** Cumulative ft. from Size Weight Grade Tube I.D. T.J. Type T.J. I.D. T. J. O.D. Length top of collars 7" **REV-PIPE** 1,946.00 1,946 5' 1,946 1,946 **Bottom Hole Assembly Cumulative feet** ltem Quantity O.D. I.D. **Thread** Lbs./ft Grade Length from bit BIT 12 1/4" 1 0.55 5" DC 4 9" 7 5/8 reg 100 113 113 #REF! Total 113.55 **Report of Operations Drilling Costs** Item Daily 07:00 - 12:30 DRILG. F/ 2,020' TO 2,037' 17' IN 5.5 HRS. ROP 3' FPH. **Drilling Footage** Drilling Daywork 12:30 - 14:00 PULL 40' AIR JET LINE. Water **Drilling Mud** 14:00 - 14:30 DRILG. F/ 2,037 TO 2,038' 1' 1/2 HR. ROP.2'FPH Cum. Mud Cost Mud Logging Unit 14:30 - 18:00 DROPPED INSIDE AIR LINE. T.O.H. TO RETREIVE AIR LINE. HAD 80' Cement all strings LEFT 800 FT IN PIPE, PULL TO 1127' RETRIEVED 800' AIR JET PIPE **Drill Stem Tests** T.I.H. TO 2020' Electric Logs Bits, Supplies 18:00 - 18:30 RUN 640' 1' AIR LINE IN SIDE DP Casing & Well Head 18:30 - 2030 KELLU UP. PRESSURE UP COULD NOT GET GOOD CIRCULATION PSI INCREASED PULL 160' AIR LINE & RUN BACK AIR LINE TO 880' CIRC. GOO Other Cum. Daily Costs 20:30 0 07:00 DRILG. F/ 2,040' TO 2,060 20' 11 HRS. ROP. 1.81' FPH. **Total Well Costs** Time Category Hrs. FUNCTION TEST ANNULAR TESTED OK Rotating 147.5 Drlg.(non rotating) Csg. & Cmt. NO ACCIDENTS Evaluation SAFETY MEETING Unscheduled Events **Drilling Supervisor CLINT RHODD** Tool Pusher JIM HALE

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

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<dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>,

<bartkettle@utah.gov>

Date:

11/14/2005 7:32:15 AM

Subject:

TWO FER 26-30

RICHARD,

**DRILLING AHEAD AT 2,062** 

THANKS FOR YOUR HELP. HAVE A SAFE DAY.

## INTREPID OIL & GAS LLC DAILY DRILLING REPORT

43-019-31452

	Tloser	FER 26	- <b>-</b>				43-0	19-314	52
Well Name	ي حد	HMS # 16-2	3=0		Location			T 26S - R 20E	
Date	11/15/05	Rig	HEI	NKEL	Present Op	eration		H. PICKING L	
Day No.	23	Formation	LIME	STONE	Lithology				
Depth ft	2,095	Previous De	epth	2,063	Proposed 1	ΓD		6800	
Made	32	ft in	9.5	hrs	Drilling rate	e of	3.36	ft. per hr.	
				Mud	•				
Weight	9.3	Chlorides	83,000	Calcium	40	Solids		L.C.M.	
VIS. Fun.	AIR MIST	P.V.		Y.P.		Gels		- PH	
Water loss		Filter Cake		KCL %		- Oil %		Nitrates	
		i moi oano		Mud Gas		_ 011 /0		· Willales	
Average	4	Maximum	6	Connection	NONE	Trip	NONE	Flare	NONE
···orage			litions last			& Quantity	- NOINE	- Hale	NONE
			iitioiio iaot	24 Hours	i ioaaot (	a qualitity			
			i		<del>.</del>				
<del>*************************************</del>		<del></del>		Rit D	Record		<del></del>		
WOB	20 - 25,000	RPM	65	Bit is		ativa Datatio		40.461.1151	
Dull Bit No.	1	Size	14 3/4"	Time		ative Rotatir	ig nours	#VALUE!	
			14 3/4	Type	RE-TIP	Ser. No.		Jets	
Depth Out		Made	40.4/4"	ft in	DUTTON	hrs. Ft/hr		Dull Gr.	
Present Bit #	5	Size	12 1/4"	Type	BUTTON	-		Jets	3 X 20/32
Depth in	1955	Made	140	ft in	48.5	hrs.	Avg. ft./hr.	2,88	
	Pur	nps	BOF					id Conditio	on Info.
Mud Pump	No. 1	No. 2	Dee	pest Casing	g Set	String	g Weight	Trip C	onditions
Make	1	AIR COMP.	Size	Depth	Min. Burst				Spots Out
Liner	####	· · · · · · · · · · · · · · · · · · ·	20"	207	2410	Pick Up		Depth	Over Pull
Stroke	1- 750 CFM			Shoe test		Slack Off		Jopan	Over i all
SPM			Equiv. Muc			Rotating T	orano		
GPM				Last BOP (	- Pook	Neutral	orque		
Pump psi	250						-		
		<del></del>	Pressure T			Pick Up		l akes W	eight trip In
Slow Pump F			BOP Drill 8		OP & CL	Slack Off			
SPM			Drill String			Last Date			
Pump psi			Annular Vo	l. Bbls.		Inspected	?	Ft. of Fill	
	Dri:	ll String a	nd Botto	m Hole As	ssembly (	Configura	tion	,	
	<b>Drill Pipe</b>	•						Cumulat	ive ft. from
Size	Weight	Grade	Tubo I D	T I Tuno	T	T . O.D	1		
	vveignt			ı.J. Type	T.J. I.D.	, I. J. O.D.	. •	top of co	llars
7"		REV -PIPE					1,981.45	1,981	
			5"					1,981	
	1							1,981	
	<b>Bottom Ho</b>	le Assembl	у					Cumul	ative feet
ltem	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from bi	t
BIT	1	12 1/4"				1	0.55	1	
								· · · · · · · · · · · · · · · · · · ·	
DC	4	9"	5"	7 5/8 reg	100		113	113	
								1.0	
					-				
					<del> </del>	-			
		#REF!							
		#IXLI			<u> </u>	<u> </u>			
_					_	Total	113.55		
						liotai			
		, .	eport of	Operation	15		*	Orilling Co	
Hours							Item		Daily
07:00 - 14:00	DRILG. FR	OM 2,063'	TO 2,084' 2	<u>21'</u> 7HRS.	ROP 3' FP	H	Drilling Foot	tage	
							Drilling Day	work	
13:30 - 14:30	REP ON K	ELLY HOS	Ξ.				Water	,	
	<u> </u>						4	ı '	· · · · · · · · · · · · · · · · · · ·
14:30 - 17:00	INCLI . OITT						Drilling Mud		
			TO 2.095'	9' IN 2 1/2	2 HRS. RO	P 3.6'FPH	Drilling Mud Cum. Mud (	Cost	
	DRILG. FR		TO 2,095'	9' IN 2 1/2	2 HRS. RO	P 3.6'FPH.	Cum. Mud (	Cost	
17:00 - 02:30	DRILG. FR	OM 2,084'					Cum. Mud ( Mud Loggin	Cost g Unit	
17:00 - 02:30	DRILG. FR	OM 2,084'	). T.O.H. TC	RETRIEVE	1 " AIR LIN	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all	Cost g Unit strings	
17:00 - 02:30	DRILG. FR	OM 2,084'	). T.O.H. TC	RETRIEVE		IE. RETRIE	Cum. Mud ( Mud Loggin Cement all Drill Stem T	Cost g Unit strings ests	
	DRILG. FR AIR JET LIN ALL THE 1"	OM 2,084' NE PARTEC 'AIR LINE.	. T.O.H. TO FINISH T.C	RETRIEVE	1 " AIR LIN	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log	Cost g Unit strings ests s	
17:00 - 02:30 02:30 - 03:00	DRILG. FR AIR JET LIN ALL THE 1"	OM 2,084' NE PARTEC 'AIR LINE.	. T.O.H. TO FINISH T.C	RETRIEVE	1 " AIR LIN	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Suppli	Cost g Unit strings ests s	
02:30 - 03:00	DRILG. FR AIR JET LIN ALL THE 1"	OM 2,084' NE PARTED 'AIR LINE. ANNULAR	. T.O.H. TO FINISH T.C	RETRIEVE	1 " AIR LIN	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log	Cost g Unit strings ests s	
	DRILG. FR AIR JET LIN ALL THE 1"	OM 2,084' NE PARTED 'AIR LINE. ANNULAR	. T.O.H. TO FINISH T.C	RETRIEVE	1 " AIR LIN	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Suppli	Cost g Unit strings ests s	
02:30 - 03:00	DRILG. FR AIR JET LIN ALL THE 1"	OM 2,084' NE PARTED 'AIR LINE. ANNULAR	. T.O.H. TO FINISH T.C	RETRIEVE	1 " AIR LIN	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W	Cost g Unit strings ests s	
02:30 - 03:00	DRILG. FR AIR JET LIN ALL THE 1"	OM 2,084' NE PARTED 'AIR LINE. ANNULAR	. T.O.H. TO FINISH T.C	RETRIEVE	1 " AIR LIN	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all: Drill Stem T Electric Log Bits, Suppli Casing & W	Cost og Unit strings ests js es /ell Head	
02:30 - 03:00	DRILG. FR AIR JET LIN ALL THE 1"	OM 2,084' NE PARTED 'AIR LINE. ANNULAR	. T.O.H. TO FINISH T.C	RETRIEVE	1 " AIR LIN	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W  Other  Cum. Daily	Cost  g Unit  strings  ests  s es  /ell Head	
02:30 - 03:00	DRILG. FR AIR JET LIN ALL THE 1"	OM 2,084' NE PARTED 'AIR LINE. ANNULAR	. T.O.H. TO FINISH T.C	RETRIEVE	1 " AIR LIN	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all: Drill Stem T Electric Log Bits, Suppli Casing & W	Cost  g Unit  strings  ests  s es  /ell Head	
02:30 - 03:00	DRILG. FR AIR JET LIN ALL THE 1"	OM 2,084' NE PARTED 'AIR LINE. ANNULAR	. T.O.H. TO FINISH T.C	RETRIEVE	1 " AIR LIN	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily	Cost g Unit strings ests js es /ell Head  Costs  Costs	Hrs.
02:30 - 03:00	DRILG. FR AIR JET LIN ALL THE 1"	OM 2,084' NE PARTED 'AIR LINE. ANNULAR	. T.O.H. TO FINISH T.C	RETRIEVE	1 " AIR LIN	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well (	Cost g Unit strings ests js es /ell Head  Costs  Costs	Hrs.
02:30 - 03:00	DRILG. FR AIR JET LIN ALL THE 1" FUNCTION T.I.H. 1700"	OM 2,084' NE PARTED AIR LINE. ANNULAR @ 07:00	BOP.	DRETRIEVE D.H. TO CK.	1 " AIR LIN BIT. BIT O	E. RETRIE	Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well ( Rotating	Cost g Unit strings ests gs es /ell Head  Costs Costs tegory	Hrs. 157
02:30 - 03:00	DRILG. FR AIR JET LIN ALL THE 1" FUNCTION T.I.H. 1700'	OM 2,084' NE PARTED AIR LINE. ANNULAR @ 07:00	BOP.	DRETRIEVE D.H. TO CK.	1 " AIR LIN	E. RETRIE	Cum. Mud ( Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplii Casing & W  Other Cum. Daily Total Well Rotating Drig.(non ro	Cost og Unit strings ests ses /ell Head  Costs Costs tegory	
02:30 - 03:00	DRILG. FR AIR JET LIN ALL THE 1" FUNCTION T.I.H. 1700'	OM 2,084' NE PARTED AIR LINE. ANNULAR @ 07:00 ENT. SAF	BOP.	RETRIEVE D.H. TO CK.	E 1 " AIR LIN BIT. BIT O	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Rotating Drlg.(non ro Csg. & Cmt	Cost og Unit strings ests ses /ell Head  Costs Costs tegory	
02:30 - 03:00	DRILG. FR  AIR JET LIN  ALL THE 1"  FUNCTION  T.I.H. 1700'  NO ACCIDE  TONG SAF  WEATHER	OM 2,084' NE PARTED AIR LINE. ANNULAR @ 07:00 ENT. SAF ETY 31 DEG.	BOP.	RETRIEVE D.H. TO CK.	1 " AIR LIN BIT. BIT O	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well ( Time Cat Rotating Drig.(non ro Csg. & Cmt Evaluation	Cost strings ests ses /ell Head  Costs Costs tegory stating)	
02:30 - 03:00	DRILG. FR AIR JET LIN ALL THE 1" FUNCTION T.I.H. 1700" NO ACCIDE TONG SAF WEATHER BRO. 30.36	OM 2,084' NE PARTED AIR LINE. ANNULAR @ 07:00 ENT. SAF ETY 31 DEG.	ETY MEETI	RETRIEVE D.H. TO CK.	E 1 " AIR LIN BIT. BIT O	IE. RETRIE	Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well ( Time Cat Rotating Drig (non ro Csg. & Cmt Evaluation Unschedule	Cost strings ests ses /ell Head  Costs Costs tegory stating)	

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

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<rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>,

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<bartkettle@utah.gov>

Date:

11/15/2005 6:57:29 AM

Subject:

TWO FER 26-30

RICHARD,

THE INSIDE AIR JET STRING PARTED. TRIP OUT RET. AIR LINE.

@ 0700 1,700'

THANKS FOR YOUR HELP. HAVE A SAFE DAY

LNTREPID OIL + GOS LLC

DAILY DRILLING REPORT

	TWOF	ER 96	-30				43-01	9- 3/45	<del>ن</del>
Well Name	<del>-SH</del>	<del>VIS # 16-26</del>			Location		SEC 26 - 1	7 26S - R 20Ē	
Date	11/16/05	Rig		NKEL	Present Op	eration		RILLING AHE	
Day No.	24	Formation		OSA FM	Lithology	_	LS DKGY-		MS ARG TT
Depth ft	2,135	Previous De	•	2,095	Proposed T			6800	
Made	39	ft in	16		Drilling rate	Of	2.43'	ft. per hr.	
NA4-1-1-1		011 11	04.000	Mud		<b>.</b>			
Weight	9.3	Chlorides	84,000	Calcium	80	Solids		L.C.M.	
VIS. Fun.	AIR MIST.	P.V.		Y.P.	-	Gels		PH	
Water loss		Filter Cake		KCL %		Oil %		Nitrates	
Average	3	Maximum	5	Mud Gas Connection	NONE	Trin	NONE	Поно	NONE
Average			litions last			Trip & Quantity	NONE	Flare	NONE
	DRILLING WIT			24 110013	rioddele	x Quantity			
			×1 07 (101						
	7.40			Bit Re	cord	***			
WOB	20 TO 25,000	RPM	65	2.0.10		ative Rotatin	a Hours	#VALUE!	
Dull Bit No.		Size		Туре	- Carrian	Ser. No.	9110010	Jets	•
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	5	Size	12 1/4"	Туре	BUTTON	Ser. No.		Jets	3 20/32
Depth in	1,955	Made		ft in		hrs.	Avg. ft./hr.		
	Pum	ps	BOP	Inform	ation	Ho	le Drag an	d Condition	on Info.
Mud Pump	No. 1	No. 2	Dee	pest Casing			y Weight		onditions
Make	EMSCO	BRUSTER		Depth	Min. Burst	•	,		Spots Out
Liner	1350 cfm	Air Comp.	20"		2410	Pick Up		Depth	Over Puli
Stroke				Shoe test		Slack Off			
SPM			Equiv. Mud			Rotating T	orque		
GPM				Last BOP C	heck	Neutral	_		
Pump psi	240		Pressure T		1,000	Pick Up		Takes W	eight trip In
Slow Pump F	Rates		BOP Drill &		OP & CL	Slack Off			
SPM			Drill String			Last Date I	BHA		
Pump psi		L	Annular Vo			Inspected		Ft. of Fill	
		String an	d Bottom	Hole Ass	sembly Co	onfiguration	on		
	Drill Pipe							Cumulat	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	llars
7"				6 5/8 IF	5"		2,020.00		
			1 1				4		
			l				L		
	Bottom Hole A	•							ative feet
Item	Bottom Hole A Quantity	Assembly O.D.	1.D.	Thread	Lbs./ft	Grade	Length	Cumul from b	
Bit		•	I.D.	Thread	Lbs./ft	Grade	1		
		•	I.D.	Thread	Lbs./ft	Grade	Length 1		
Bit		•	I.D.	Thread	Lbs./ft	Grade	1		
Bit		•	I.D.	Thread	Lbs./ft	Grade	1		
Bit		•	I.D.	Thread	Lbs./ft	Grade	1		
Bit		•	I.D.	Thread	Lbs./ft	Grade	1		
Bit		•	I.D.	Thread	Lbs./ft	Grade	1		
Bit		•	I.D.	Thread	Lbs./ft	Grade	1		
Bit		•	I.D.	Thread	Lbs./ft	Grade	1		
Bit		O.D.					1 113	from b	it
Bit		O.D.		Thread			1 113		sts
Bit DC Hours	Quantity	O.D.					1 113 114 E Item	from b	it
Bit DC Hours		O.D.					1 113 114	from b	sts
Hours 07:00 -10:00	Quantity	O.D.	port of O				114 Item Drilling Foot	from b	sts
Hours 07:00 -10:00	T.I.H. TO 2,994	O.D. Re	port of O	perations			114 Litem Drilling Foot	Prilling Cost	sts
Hours 07:00 -10:00	T.I.H. TO 2,994	O.D. Re	port of O	perations			114  Item  Drilling Foot Drilling Days Water	Prilling Cost	sts
Hours 07:00 -10:00 10:00 - 13:30	T.I.H. TO 2,994 WAITING ON N	O.D. Re	port of O	perations			114  Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	Prilling Costage Work Cost g Unit	sts
Hours 07:00 -10:00 10:00 - 13:30	T.I.H. TO 2,994	O.D. Re	port of O	perations			114  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all	Prilling Costage work Cost g Unit strings	sts
Hours 07:00 - 10:00 12:00 - 13:30 13:30 - 14:00	T.I.H. TO 2,994 WAITING ON N PU. NEW AIR	O.D.  Re	eport of O	perations	ON.		114  Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s	Drilling Costage work  Cost g Unit strings ests	sts
Hours 07:00 - 10:00 12:00 - 13:30 13:30 - 14:00	T.I.H. TO 2,994 WAITING ON N	O.D.  Re	eport of O	perations	ON.		114  Item  Drilling Fool Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all: Drill Stem T Electric Log	Prilling Costage work  Cost g Unit strings ests s	sts
Hours 07:00 - 10:00 10:00 - 12:00 12:00 - 13:30 13:30 - 14:00	CIRCULATING DRILG. FROM	O.D.  Re  VIII STRING	eport of O	perations	ON.		114  Item  Drilling Fool Drilling Days Water Drilling Mud Cum. Mud Cound Loggin Cement all: Drill Stem T Electric Log Bits, Supplie	Prilling Cost age work  Cost g Unit strings ests s ess	sts
Hours 07:00 - 10:00 10:00 - 12:00 12:00 - 13:30 13:30 - 14:00	T.I.H. TO 2,994 WAITING ON N PU. NEW AIR	O.D.  Re  VIII STRING	eport of O	perations	ON.		114  Item  Drilling Fool Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all: Drill Stem T Electric Log	Prilling Cost age work  Cost g Unit strings ests s ess	sts
Hours 07:00 -10:00 10:00 - 12:00 12:00 - 13:30 13:30 - 14:00 14:00 - 16:00	CIRCULATING DRILG. FROM	O.D.  Red  Y  NEW AIR JE  JET STRING  12,098' TO 2  R LINE.	eport of O	perations  CIRCULATI  RS. ROP. 4	ON.	Total	114  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplic Casing & W	Prilling Cost age work  Cost g Unit strings ests s ess	sts
Hours 07:00 -10:00 10:00 - 12:00 12:00 - 13:30 13:30 - 14:00 14:00 - 16:00	T.I.H. TO 2,994 WAITING ON N PU. NEW AIR CIRCULATING DRILG. FROM REPAIR ON AI	O.D.  Red  Y  NEW AIR JE  JET STRING  12,098' TO 2  R LINE.	eport of O	perations  CIRCULATI  RS. ROP. 4	ON.	Total	1 113  114  Item  Drilling Fool  Drilling Day  Water  Drilling Mud  Cum. Mud (  Mud Loggin  Cement all:  Drill Stem T  Electric Log  Bits, Supplie  Casing & W	Prilling Cost age work  Cost g Unit strings ests s ess	sts
Hours 07:00 -10:00 10:00 - 12:00 12:00 - 13:30 13:30 - 14:00 14:00 - 16:00	CIRCULATING DRILG. FROM	O.D.  Red  Y  NEW AIR JE  JET STRING  12,098' TO 2  R LINE.	eport of O	perations  CIRCULATI  RS. ROP. 4	ON.	Total	1 113  114  Item  Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplie Casing & W E Other	Prilling Costage work  Cost g Unit strings ests s est s es /ell Head	sts
Hours 07:00 -10:00 10:00 - 12:00 12:00 - 13:30 13:30 - 14:00 14:00 - 16:00	T.I.H. TO 2,994 WAITING ON N PU. NEW AIR CIRCULATING DRILG. FROM REPAIR ON AI	O.D.  Red  Y  NEW AIR JE  JET STRING  12,098' TO 2  R LINE.	eport of O	perations  CIRCULATI  RS. ROP. 4	ON.	Total	114  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W E Other Cum. Daily	Prilling Costage work  Cost g Unit strings ests s es // ell Head	sts
Hours 07:00 -10:00 10:00 - 12:00 12:00 - 13:30 13:30 - 14:00 14:00 - 16:00	T.I.H. TO 2,994 WAITING ON N PU. NEW AIR CIRCULATING DRILG. FROM REPAIR ON AI	O.D.  Red  Y  NEW AIR JE  JET STRING  12,098' TO 2  R LINE.	eport of O	perations  CIRCULATI  RS. ROP. 4	ON.	Total	1 113  Item  Drilling Food Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplie Casing & W E Other Cum. Daily Total Well (1986)	Prilling Costage work  Cost g Unit strings ests s es /ell Head  Costs  Costs	sts Daily
Hours 07:00 -10:00 10:00 - 12:00 12:00 - 13:30 13:30 - 14:00 14:00 - 16:00	T.I.H. TO 2,994 WAITING ON N PU. NEW AIR CIRCULATING DRILG. FROM REPAIR ON AI	O.D.  Red  Y  NEW AIR JE  JET STRING  12,098' TO 2  R LINE.	eport of O	perations  CIRCULATI  RS. ROP. 4	ON.	Total	1 113  Item  Drilling Food Drilling Days Water Drilling Mud Cum. Mud Coggin Cement all: Drill Stem T Electric Log Bits, Supplie Casing & W E Other Cum. Daily Total Well C	Prilling Costage work  Cost g Unit strings ests s es /ell Head  Costs  Costs	sts Daily  Hrs.
Hours 07:00 -10:00 10:00 - 12:00 12:00 - 13:30 13:30 - 14:00 14:00 - 16:00	T.I.H. TO 2,994 WAITING ON N PU. NEW AIR CIRCULATING DRILG. FROM REPAIR ON AI	O.D.  Red  Y  NEW AIR JE  JET STRING  12,098' TO 2  R LINE.	eport of O	perations  CIRCULATI  RS. ROP. 4	ON.	Total	1 113  Item Drilling Food Drilling Days Water Drilling Mud Cum. Mud Coggin Cement all: Drill Stem T Electric Log Bits, Supplie Casing & W  E Other Cum. Daily Total Well C Rotating	Prilling Costs Sage Work  Cost g Unit strings ests s es /ell Head  Costs Costs tegory	sts Daily
Hours 07:00 -10:00 10:00 - 12:00 12:00 - 13:30 13:30 - 14:00 14:00 - 16:00	T.I.H. TO 2,994 WAITING ON N PU. NEW AIR CIRCULATING DRILG. FROM REPAIR ON AI	O.D.  Red  Y  NEW AIR JE  JET STRING  12,098' TO 2  R LINE.	eport of O	perations  CIRCULATI  RS. ROP. 4	ON.	Total	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all: Drill Stem T Electric Log Bits, Supplie Casing & W E Other Cum. Daily Total Well C Rotating Drlg.(non re	Prilling Costage work  Cost g Unit strings ests ses yell Head  Costs Costs Legory	sts Daily  Hrs.
Hours 07:00 -10:00 10:00 - 12:00 12:00 - 13:30 13:30 - 14:00 14:00 - 16:00	T.I.H. TO 2,994 WAITING ON N PU. NEW AIR. CIRCULATING DRILG. FROM REPAIR ON AI DRILG. FROM AIR LINE	O.D.  Rec  1' NEW AIR JE  JET STRING  12,098' TO 2  R LINE.  12,106' TO	eport of O	perations  CIRCULATI  RS. ROP. 4	ON.	Total	Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplie Casing & W E Other Cum. Daily Total Well ( Time Cat Rotating Drlg.(non ro	Prilling Costage work  Cost g Unit strings ests ses yell Head  Costs Costs Legory	sts Daily  Hrs.
Hours 07:00 -10:00 10:00 - 12:00 12:00 - 13:30 13:30 - 14:00 14:00 - 16:00	T.I.H. TO 2,994 WAITING ON N PU. NEW AIR CIRCULATING DRILG. FROM REPAIR ON AI	Red I' NEW AIR JE JET STRING	Pport of O  T STRING.  3 & BREAK  2,106' 2 HF  2,1334 28'	perations  CIRCULATI  RS. ROP. 4	ON.	Total  . 860 INSID	1 113  114  Item  Drilling Food  Drilling Day  Water  Drilling Mud  Cum. Mud (  Mud Loggin  Cement all:  Drill Stem T  Electric Log  Bits, Supplie  Casing & W  E  Other  Cum. Daily  Total Well (  Time Cat  Rotating  Drlg. (non ro  Csg. & Cmt  Evaluation	Costs Costs Costs Cell Head  Costs Costs Costs Costs Costs Costs Costs	sts Daily  Hrs.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

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<bartkettle@utah.gov>

Date:

11/16/2005 7:04:30 AM

Subject:

TWO FER 26-30

RICHARD,

DRILLING AHEAD AT2,135' WE PUMPED OUT THE PIT FOR THE OIL. I WILL CAL,L YOU AROUND 11.30 TO GIVE YOU THE UP DATE.

THANKS FOR YOUR HELP HAVE A SAFE DAY

### INTREPID OIL & GAS LLC DAILY DRILLING REPORT

	Two	FER 2	6-30 6-30				43-019.	-3/452	_
Well Name		SIMS # 16-20	3		Location		SEC 26 - T 2		
Date	11/17/05	. •		NKEL	Present Op	eration	Marian Company of the	RILLING AHE	
Day No.	25	Formation		MOSA	_Lithology	-D	LS DARK	BLK. MICXL	MS ARG TT
Depth ft Made	2,214 79	Previous De	eptn 23	2,135 hrs	Proposed T Drilling rate		3.43	6800 ft. per hr.	
Made		. ". "'		Mud	Drining rate	. 01	0.70	ic per iii.	
Weight	9.2	Chlorides	74,000	Calcium	30,000	Solids		L.C.M.	
VIS. Fun.	AIR MIST	P.V.		Y.P.		Gels		PH	
Water loss		Filter Cake		KCL %		Oil %		Nitrates	
	•		_	Mud Gas	NONE	<i>.</i>			
Average	3	Maximum	5 litions last	Connection		Trip t & Quantity	NONE	Flare	NONE
	DRILLING '				IGE IN FOR				
				Bit	Record				
WOB	20 - 25	RPM	65		Cum	ulative Rotating	Hours	#VALUE!	
Dull Bit No.		Size		Type		Ser. No.	•	. Jets .	
Depth Out Present Bit #	5	. Made Size	12 1/4	. ft in Type	button	hrs. Ft/hr Ser. No.		Dull Gr. Jets	3 20/32
Depth in	1,955	. Oize Made	259	. ft in	87.5	hrs.	Avg. ft./hr.	. 3ets . 2.96	3 20/32
_ op		mps	BOF	•		•	-	Condition	Info
Mud Pump	No. 1	No. 2		pest Casing		String \	_		onditions
Make	EMSCO	BRUSTER		Depth	Min. Burst		74,000		Spots Out
Liner	1350 cfm	Air Comp.	20"		2410	Pick Up	74	Depth	Over Pull
Stroke				Shoe test		Slack Off	74,000	NONE	
SPM GPM			Equiv. Mud	i vveignt Last BOP (	hock	Rotating Torq	u <b>e</b> 74,000		
Air psi	250	<u> </u>	Pressure T		1,000	Pick Up	74,000	Takes We	eight trip In
Slow Pump F			BOP Drill 8		OP & CL	Slack Off	74,000	NONE	signt trip in
SPM			Drill String	Vol. Bbls.		Last Date BHA			
Pump psi			Annular Vo			Inspected	?	Ft. of Fill	
		_	and Bott	tom Hole	Assembly	Configuration	on		
	Drill Pipe								ve ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	llars
7"		·		6 5/8 IF	5"		2,100.00	2,100	
							<del> </del>	2,100 2,100	
	Bottom Ho	le Assembl	y						ative feet
Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from bi	t
Bit							1		
DC							113	114 114	
								114	
								114	
								114	
					ļ			114	
		<u> </u>		<u> </u>				114 114	
					<u> </u>	Total	114	114	
	<u> </u>		Report o	of Operation	ons		<del></del>	Drilling Cos	sts
Hours			•	•			Item	, <b>.</b>	Daily
07:00 - 14:00	DRILG. FF	ROM 2,135' T	TO 2,156' 2	21' IN 7 HR	S. ROP. 3' F	PH.	Drilling Foot		
44.00 45.00	DEDAID AL	D I INE ON	014/11/201				Drilling Day	work	
14:00 - 15:00	REPAIR AI	R LINE ON	SWIVEL.				Water Drilling Mud		
15:00 - 07:00	DRILG. FI	ROM 2.156'	TO 2.214'	58' IN 16	HRS. ROP	P. 3.62' FPH.	Cum. Mud		
		,,,,,,					Mud Loggin		
	ON LOCAT						Cement all		
	104 JTS. 4	308.93 9 5/	8" P110 54	# CASING.	ALL CASING	3 DRIFTED OK	-1		
	FLOAT FO	LIIPMENT A	ND CENTR	ALIZERS O	N LOCATIO	N 11/16/05	Electric Log Bits, Suppli		
	T LOTTI LQ	OII WEITT	IND OLIVIN	/ (LILLING O	IN LOOM INC	14 7 17 10/00	Casing & W		
	WATER IN	OIL PIT PU	MPED OUT				]		
							]		
	HAVE 3' W	ATER IN RE	SURVE PI	Γ			Other		
	400 DDI C I		TED IN CT	ODACE TAK	11/		Cum. Daily		·····
	1400 BBLS I	FRESH WAT	16 N 21	DRAGE IAN	NIX.		Total Well Time Ca		Hrs.
	EST. TOP	OF THE CLA	ASIC 1 15	9' MORE TO	0 2,373' 11/	/20/05 IF WE	Rotating	wy vi y	nrs. 196
	AVE 60 PE				,		Drlg.(non ro	tating)	
							Csg. & Cmt		
					HER 23 DE VISIBILITY	G WIND 3MP	Evaluation Unschedule	d Events	
Drilling Supe		CLINT RHO		11102% -	VIOIDILITY	Tool Pusher		u ⊏vents	
Ziming Supe	11301	OFIGURE LANG	<u> </u>		_	I OUI FUSITE	OHVI LIATE		

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

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Date:

Subject:

11/17/2005 7:03:55 AM TWO FER 26-30 REOPRT

RICHARD,

DRILLING AHEAD. @ 2,214' AVE 3.43' FPH.

EST. CLASIC 1 LATE SATURDAY EVENING.

THANKS FOR YOUR HELP HAVE A SAFE DAY.

INTREPID OIL + GAS LLC
DAILY DRILLING REPORT

			DAIL	Y DRILI		OKI	11-	1- 711.	
Well Name	T\	VO EED 40	20		1			19-3145	
Date	11/18/05	<u>VO_FER 16-</u> Rig 151		IKEL	Location Present Ope	ration		<u>「 26S - R 20E</u> G ON FISHIN	
Day No.	26	Formation		MOSA	Lithology	iation		STONE, NO	
Depth ft	2,236	Previous De		2,214	Proposed TE	)		6800	OTIATOL
Made	22	ft in	7.5	hrs	Drilling rate of	of	2.99	ft. per hr.	
				Mud					
Weight	9.2	Chlorides	76<000	Calcium	34,000	Solids		L.C.M.	· · · · · · · · · · · · · · · · · · ·
VIS. Fun. Water loss	AIR FOAM	P.V. Filter Cake		Y.P. KCL %		. Gels Oil %		. PH	<del>v</del>
vvater 1033		- Filler Cake		Mud Gas		. 011 76	***************************************	Nitrates	
Average	3	Maximum	5	Connection	NONE	Trip	NONE	Flare	NONE
			litions last	24 hours	Product &			•	
	NO CHANC	SE IN FORM	IATION.						
			. 14/8-121-11	Rit F	Record				
WOB	30 - 40	RPM	60 -65	Diti		tive Rotating	Hours	#VALUE!	
Dull Bit No.	5	Size	12 1/4"	Туре	BUTTON	Ser. No.	, 1 loui 5	Jets	3 220/32
Depth Out	2,236	Made	281	ft in	95	hrs. Ft/hr	2.95	Dull Gr.	NO GRADE
Present Bit #	5	Size	12 1/4"	Туре	BUTTON	Ser. No.		Jets	3/20/1932
Depth in	1,955	Made	281	ft in	95	hrs.	Avg. ft./hr.	2.95	
Mand Dames		mps	BOF				_	d Condition	
Mud Pump Make	No. 1 EMSCO	No. 2 BRUSTER	Size	pest Casing Depth			Weight		onditions
Liner	1350 cfm	Air Comp.	20"	Deptil	2410	Neutral Pick Up	75,000 75,000	Depth	Spots Out Over Pull
Stroke	1000 01111			Shoe test	2410	Slack Off	75,000	NONE	Over Full
SPM			Equiv. Mud			Rotating T			
GPM .			1	Last BOP C		Neutral	75,000		
Pump psi Slow Pump F	250		Pressure To BOP Drill &		1,000	Pick Up	75,000		eight trip In
SPM			Drill String		NOV-17-05 AIR FOAM		75,000	NONE	***
Pump psi			Annular Vo		AIR FOAM		?	Ft. of Fill	NONE
	Dr	ill String a	and Botto	m Hole A	ssembly C	onfigurat	ion	•	
	<b>Drill Pipe</b>				•			Cumulat	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	ollars
7"				6 5/8 IF	5"		2,121.00	2,121	
-				·	*** *****	STATE OF STA		2,121 2,121	
	Pottom Us	<u> </u>	11					4 4, 14 1	
	BOLLOM HO	le Assembl	У			<del></del>		Cumul	ative feet
Item	Quantity	le Assembl O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	Cumul from bi	ative feet it
Bit				Thread	Lbs./ft	Grade	1	from bi	
				Thread	Lbs./ft	Grade		from bi	
Bit				Thread	Lbs./ft	Grade	1	113 113	
Bit				Thread	Lbs./ft	Grade	1	from bi	
Bit				Thread	Lbs./ft	Grade	1	113 113 113	
Bit				Thread	Lbs./ft	Grade	1	113 113 113 113 113 113 113	
Bit				Thread	Lbs./ft	Grade	1	113 113 113 113 113 113 113 113	
Bit				Thread	Lbs./ft		1 113	from bi 113 113 113 113 113 113 113 113	
Bit		O.D.	I.D.	Thread		Grade	113	from bi	it
Bit DC	Quantity	O.D.	I.D.	Operation	ns	Total	113	from bi 113 113 113 113 113 113 113 113	it
Bit DC	Quantity	O.D.	I.D.	Operation	ns	Total	1 113 114 Eltern Drilling Foot	from bi	sts
Bit DC Hours 07:00 - 14:30	Quantity  DRILG. FI	O.D.	Report of	Operation 22' IN 7.5	ns HRS ROP 2	Total 2.93' FPH.	1 113 114 Eltem Drilling Foot	from bi	sts
Bit DC	DRILG. FI	O.D.  ROM 2,214  TRIND AND	Report of TO 2,236'	Operation 22' IN 7.5	HRS ROP 2	Total 2.93' FPH.	113 113 114 Litem Drilling Foot Drilling Days	from bi  113 113 113 113 113 113 113 113 113 Crilling Costage work	sts
Bit DC Hours 07:00 - 14:30	DRILG. FI	O.D.  ROM 2,214  TRIND AND	Report of TO 2,236'	Operation 22' IN 7.5	HRS ROP 2	Total 2.93' FPH.	1 113 114 Eltem Drilling Fool Drilling Days Water Drilling Mud	from bi  113 113 113 113 113 113 113 113 Crilling Costage work	sts
Bit DC Hours 07:00 - 14:30	DRILG. FI	O.D.  ROM 2,214  TRIND AND DLE 114' BH	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5	HRS ROP 2	Total 2.93' FPH.	113 113 114 Litem Drilling Foot Drilling Days	from bi  113 113 113 113 113 113 113 113 Crilling Cost	sts
Hours 07:00 - 14:30 14;30 - 16:30	DRILG. FI L/D. AIR S LEFT IN HO WAITING O	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5	HRS ROP 2	Total 2.93' FPH.	114 114 Litem Drilling Food Drilling Days Water Drilling Mud Cum. Mud C Mud Loggin Cement all s	from bi	sts
Hours 07:00 - 14:30	DRILG. FI	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5	HRS ROP 2	Total 2.93' FPH.	1113 1113 1114 Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T	from bi	sts
Hours 07:00 - 14:30 14;30 - 16:30 01:00 - 02:00	DRILG. FI L/D. AIR S LEFT IN HO WAITING O	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5 /ISTED OFF	HRS ROP 2	Total 2.93' FPH. ISH @ 1,859	1 113 114 E Item Drilling Foot Drilling Mud Cum. Mud Cum. Mud Cum. Mud Conduction Cement all sprill Stem Telectric Log	from bi	sts
Hours 07:00 - 14:30 14;30 - 16:30	DRILG. FI L/D. AIR S LEFT IN HO WAITING O	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5 /ISTED OFF	HRS ROP 2	Total 2.93' FPH. ISH @ 1,859	1 113 114 E Item Drilling Foot Drilling Mud Cum. Mud Cum. Mud Cum. Mud Conduction Cement all sprill Stem Telectric Log	from bi	sts
Hours 07:00 - 14:30 14;30 - 16:30 01:00 - 02:00	DRILG. FI L/D. AIR S LEFT IN HO WAITING O	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5 /ISTED OFF	HRS ROP 2	Total 2.93' FPH. ISH @ 1,859	1 113 114 Electric Log Bits, Supplie	from bi	sts
Hours 07:00 - 14:30 14;30 - 16:30 01:00 - 02:00	DRILG. FI L/D. AIR S LEFT IN HO WAITING O	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5 /ISTED OFF	HRS ROP 2	Total 2.93' FPH. ISH @ 1,859	1 113 114 E Item Drilling Foot Drilling Mud Cum. Mud Cum. Mud Cument all spill Stem T Electric Log Bits, Supplie Casing & W	from bi	sts
Hours 07:00 - 14:30 14;30 - 16:30 01:00 - 02:00	DRILG. FI L/D. AIR S LEFT IN HO WAITING O	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5 /ISTED OFF	HRS ROP 2	Total 2.93' FPH. ISH @ 1,859	1 113 114 E Item Drilling Fool Drilling Days Water Drilling Mud Cum. Mud Coggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W	from bi	sts
Hours 07:00 - 14:30 14;30 - 16:30 01:00 - 02:00	DRILG. FI L/D. AIR S LEFT IN HO WAITING O	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5 /ISTED OFF	HRS ROP 2	Total 2.93' FPH. ISH @ 1,859	1 113 114 E 114 E 115 E	from bi	sts
Hours 07:00 - 14:30 14;30 - 16:30 01:00 - 02:00	DRILG. FI L/D. AIR S LEFT IN HO WAITING O	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5 /ISTED OFF	HRS ROP 2	Total 2.93' FPH. ISH @ 1,859	1 113 114 114 Item Drilling Food Drilling Days Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W Other Cum. Daily Total Well	from bi	sts Daily
Hours 07:00 - 14:30 14;30 - 16:30 01:00 - 02:00	DRILG. FI L/D. AIR S LEFT IN HO WAITING O	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5 /ISTED OFF	HRS ROP 2	Total 2.93' FPH. ISH @ 1,859	1 113 113 114 114 114 119 119 119 119 119 119 119	from bi	sts
Hours 07:00 - 14:30 14;30 - 16:30 01:00 - 02:00	DRILG. FI L/D. AIR S LEFT IN HO WAITING O	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5 /ISTED OFF	HRS ROP 2	Total 2.93' FPH. ISH @ 1,859	1 113 114 E Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud Coggin Cement all stem T Electric Log Bits, Supplie Casing & W Other Cum. Daily Total Well ( Time Cat Rotating Drlg.(non ro	from bi	sts Daily Hrs.
Hours 07:00 - 14:30 14;30 - 16:30 01:00 - 02:00	DRILG. FI L/D. AIR S LEFT IN HO WAITING O P/U FISHIN FUNCTION BEEMAN.	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING IG TOOLS.	Report of TO 2,236' T.O.H. TW A. AND 267	Operation 22' IN 7.5 /ISTED OFF '' DRILL PIP	HRS ROP 2 . TOP OF FE.	Total  2.93' FPH. ISH @ 1,859	1 113 114 E Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud Cum. Mud Coggin Cement all stem T Electric Log Bits, Supplie Casing & W Other Cum. Daily Total Well Casting Drig.(non rocsg. & Cmt	from bi	sts Daily Hrs.
Hours 07:00 - 14:30 14;30 - 16:30 01:00 - 02:00	DRILG. FI L/D. AIR S LEFT IN HO WAITING O P/U FISHIN BEEMAN.  NO ACCID	O.D.  ROM 2,214  TRIND AND DLE 114' BH DN FISHING IG TOOLS.  I TEST HYD	Report of TO 2,236' T.O.H. TW A. AND 267 TOOLS.	Operation 22' IN 7.5 /ISTED OFF '' DRILL PIP	HRS ROP 2	Total  2.93' FPH.  ISH @ 1,855	1 113 114 E Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud Coggin Cement all stem T Electric Log Bits, Supplie Casing & W Other Cum. Daily Total Well ( Time Cat Rotating Drlg.(non ro	from bi	sts Daily Hrs.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

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<bartkettle@utah.gov>

Date:

11/18/2005 7:05:33 AM

Subject:

TWO FER 26-30

RICHARD,

SENT PIX OF TWIST OFF. I WILL GIVE UP DATE @ 11:30 TO ALL.

THANKS FOR THE HELP, HAVE A SAFE WEEKEND.

### INTREPID OIL + GAS LLC

DAILY DRILLING REPORT

						4	3-019- 3	514 E 7	
Well Name	TV	VO FER 16-	30		Location		EC 26 - T 26		
Date				NKEL	Present Operat			SH T.O.H. V	V/FISH
Day No.	27	Formation		ONE	Lithology			NONE	
Depth ft	2,235	Previous De	•	2,235	Proposed TD			6800	
Made	NONE	ft in	NONE	hrs <b>Mud</b>	Drilling rate of		NONE	ft. per hr.	
Weight	9.2	Chlorides	83,000	Calcium	40	Solids		L.C.M.	
VIS. Fun.		P.V.	00,000	Y.P.		- Gels		PH	
Water loss		Filter Cake		KCL %		Oil %	<del></del>	Nitrates	
				Mud Gas		-			-
Average	NONE	Maximum	NONE	Connection		Trip	NONE	Flare	NONE
		wiud add	litions last	24 nours	Product	& Quantity			
	NO ACCID	ENT: SAFE	TY MEETII	NG					
					Bit Record				
WOB		RPM		_	Cumi	ulative Rotating Hou	irs	203.5	
Dull Bit No.		Size		Type		Ser. No.		Jets	
Depth Out Present Bit #	5	Made Size	12 1/4"	ft in Type	BUTTON	hrs. Ft/hr Ser. No.		Dull Gr. Jets	2 20/22
Depth in	1955	Made	12 174	ft in	#VALUE!	hrs.	Avg. ft./hr.	, Jeis	3 20/32
		nps	BC		mation	•		Condition	nfo
Mud Pump	No. 1	No. 2		eepest Casi		String W			onditions
Make	EMSCO	BRUSTER		Depth	Min. Burst	Neutral	75,000		Spots Out
Liner	1350 cfm	Air Comp.	20"		2410	Pick Up	75,000	Depth	Over Pull
Stroke				Shoe test		Slack Off	75,000	2,235	35,000
SPM GPM			Equiv. Muc	ı vveignt Last BOP C	hook	Rotating Torque	NONE		
Pump psi	250		Pressure T		1,000	Neutral Pick Up	NONE NONE	Takes W	eight trip In
Slow Pump F			BOP Drill 8		NOV-17-05	Slack Off	NONE	I Takes VVI	agnitup m
SPM			Drill String	Vol. Bbls.		Last Date BHA			
Pump psi			Annular Vo		#VALUE!	Inspected	?	Ft. of Fill	
			ing and E	Bottom Ho	le Assembly	Configuration			
0:	Drill Pipe								ive ft. from
Size 7"	Weight I	Grade I	Tube I.D.	<b>T.J. Type</b> 6 5/8 IF	T.J. I.D.   5"	T. J. O.D.	Length	top of co	llars
				0 3/0 11	3		2,121.00	2,121	
						1			
							2,121.00	2,121	
		le Assembl						2,121 Cumul	ative feet
ltem Dit	Bottom Ho Quantity	le Assembly O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	2,121	
Bit				Thread	Lbs./ft	Grade	Length	2,121 Cumul from bi	
				Thread	Lbs./ft	Grade	Length	2,121 Cumul from bi	
Bit				Thread	Lbs./ft	Grade	Length	2,121 Cumul from bi 113 113	
Bit				Thread	Lbs./ft	Grade	Length	2,121 Cumul from bi 113 113 113	
Bit				Thread	Lbs./ft	Grade	Length	2,121 Cumul from bi 113 113 113 113	
Bit				Thread	Lbs./ft	Grade	Length	2,121 Cumul from bi 113 113 113 113 113 113	
Bit				Thread	Lbs./ft	Grade	Length	2,121 Cumul from bi 113 113 113 113	
Bit			I.D.			Grade	Length 1 113 113	2,121 Cumul from bi 113 113 113 113 113 113 113	t
Bit DC			I.D.	Thread			Length 1 113 114 E	2,121 Cumul from bi 113 113 113 113 113 113 113	t
Bit DC	Quantity	O.D.	I.D.	rt of Opera	ations	Total	Length 1 113 114 Length 1 tem	2,121 Cumul from bi 113 113 113 113 113 113 113 113 113 Crilling Cos	t
Bit DC	Quantity	O.D.	Repo	rt of Opera	ations SHING. WILL, BE	Total	Length 1 113 114 Length 114 Length 117 118 119 119 119 119 119 119 119 119 119	2,121	t
Bit DC	Quantity  WAITING C	O.D.  ON DP FROM	Repo	rt of Opera	ations SHING. WILL, BEOT FIND CONN	Total	Length 1 113 114 Length 1 tem	2,121	t
Bit DC Hours 07:00 - 09:00	WAITING C WITH OUR TO FIT HEI	O.D.  ON DP FROM DP AND BE NKELS DRIL	Report BEEMAN DIL PIPE.FO	rt of Opera DS FOR FIS P COULD NO R FISHING	ations SHING. WILL, BE OT FIND CONN TOOLS.	Total	Length  1 113  114  Item Drilling Food Drilling Day Water Drilling Mud	2,121	t
Bit DC Hours 07:00 - 09:00	WAITING C WITH OUR TO FIT HEI	O.D.  ON DP FROM DP AND BE NKELS DRIL	Report BEEMAN DIL PIPE.FO	rt of Opera DS FOR FIS P COULD NO R FISHING	ations SHING. WILL, BEOT FIND CONN	Total	Length 1 113 114 Litem Drilling Fool Drilling Day Water Drilling Mud Cum. Mud (Cum. Mu	2,121	t
Bit DC Hours 07:00 - 09:00	WAITING C WITH OUR TO FIT HEI	O.D.  ON DP FROM DP AND BE NKELS DRIL	Report BEEMAN DIL PIPE.FO	rt of Opera DS FOR FIS P COULD N R FISHING PE FOR FIS	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING.	Total	Length 1 113 114 Litem Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	2,121	t
Bit DC Hours 07:00 - 09:00	WAITING C WITH OUR TO FIT HEI	O.D.  ON DP FROM DP AND BE NKELS DRIL	Report BEEMAN DIL PIPE.FO	rt of Opera DS FOR FIS P COULD N R FISHING PE FOR FIS	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING.	Total	Length 1 113 114 Litem Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all	2,121	t
Bit DC Hours 07:00 - 09:00	WAITING C WITH OUR TO FIT HEI T.I.H. PICK	O.D.  ON DP FROM DP AND BE NKELS DRIL	Report M BEEMANS DI L PIPE FO 2 DRILL PII	DS FOR FISP COULD NOR FISHING	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING.	Total	Length 1 113 114 Length 113 114 Length 114 Length 118 Length 119 L	2,121	t
Hours 07:00 - 09:00 12:30 - 15:30 15:30 - 16:00	WAITING OWITH OUR TO FIT HEI T.I.H. PICK TRUCK GO	O.D.  ON DP FROM DP AND BE NKELS DRIL  ING UP 4 1/ DING AFTER TO GET TO	Report BEEMANS DIL PIPE.FO	DS FOR FISP COULD NOR FISHING  AT BEEMAINS	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING.	Total  FISHING ECTIONS	Length 1 113 114 Litem Drilling Food Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie	2,121 Cumul from bi  113 113 113 113 113 113 113 113 113 1	t
Hours 07:00 - 09:00 12:30 - 15:30 15:30 - 16:00	WAITING C WITH OUR TO FIT HEI T.I.H. PICK TRUCK GC P/U. D/P.	O.D.  ON DP FROM DP AND BE NKELS DRILL  ING UP 4 1/ DING AFTER TO GET TO	Report BEEMANS DIL PIPE.FO  2 DRILL PI  2 4 1/2" DP  TOP OF F	DS FOR FISP COULD NOR FISHING  AT BEEMAINS  ISH  NG OUT OF	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING. NS YARD	Total  FISHING ECTIONS  AHOLD OF	Length 1 113 114 Length 113 114 Length 115 L	2,121 Cumul from bi  113 113 113 113 113 113 113 113 113 1	t
Hours 07:00 - 09:00 12:30 - 15:30 15:30 - 16:00	WAITING C WITH OUR TO FIT HEI T.I.H. PICK TRUCK GC P/U. D/P.	O.D.  ON DP FROM DP AND BE NKELS DRILL  ING UP 4 1/ DING AFTER TO GET TO	Report BEEMANS DIL PIPE.FO  2 DRILL PI  2 4 1/2" DP  TOP OF F	DS FOR FISP COULD NOR FISHING  AT BEEMAINS  ISH  NG OUT OF	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING.	Total  FISHING ECTIONS  AHOLD OF	Length 1 113 114 Litem Drilling Food Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie	2,121 Cumul from bi  113 113 113 113 113 113 113 113 113 1	t
Hours 07:00 - 09:00 12:30 - 15:30 15:30 - 16:00	WAITING C WITH OUR TO FIT HEI T.I.H. PICK TRUCK GC P/U. D/P. FISHING. S PU AND SI	O.D.  ON DP FROM DP AND BE NKELS DRIL  ING UP 4 1/ DING AFTER TO GET TO SPEAR KEE	Report MEEMANS DI L PIPE.FO 2 DRILL PII R 4 1/2" DP D TOP OF F	DS FOR FISP COULD NOT BE FOR FISH TISH TO SHOULD FOR FISH TO SHOULD WIT. 15,	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING. NS YARD	Total  FISHING ECTIONS  AHOLD OF	Length 1 113 114 Litem Drilling Food Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie	2,121 Cumul from bi  113 113 113 113 113 113 113 113 113 1	t
Hours 07:00 - 09:00 12:30 - 15:30 15:30 - 16:00 16:00 - 19:00 19:00 - 20:00 19:30 - 20:30	WAITING OWITH OUR TO FIT HEI T.I.H. PICK TRUCK GO P/U. D/P. FISHING. SPU AND SI T.O.H. TO CHANGE OF THE PU A	O.D.  ON DP FROM DP AND BE NKELS DRIL  ING UP 4 1/ DING AFTER  TO GET TO  SPEAR KEE LIPPS OUT.  CHANGE SF SRAPPLE. G	Report M BEEMAN EMANS DI L PIPE.FO D TOP OF F PS SLIPPII FISH IN HO PEAR GRAI	DS FOR FISP COULD NOR FISHING OUT OF DIE WT. 15, PEL. ZE 6.22"	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING. NS YARD FISH GETTING 000 # GRAPEL	Total  FISHING ECTIONS  AHOLD OF	Length  1 113  114  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplic Casing & W	2,121 Cumul from bi  113 113 113 113 113 113 113 113 113 1	t
Hours 07:00 - 09:00 12:30 - 15:30 15:30 - 16:00 16:00 - 19:00 19:00 - 20:00 19:30 - 20:30	WAITING OWITH OUR TO FIT HEI T.I.H. PICK TRUCK GO P/U. D/P. FISHING. SPU AND SI T.O.H. TO CHANGE OF THE PU A	O.D.  ON DP FROM DP AND BE NKELS DRIL  ING UP 4 1/ DING AFTER  TO GET TO  SPEAR KEE LIPPS OUT.  CHANGE SF SRAPPLE. G	Report M BEEMAN EMANS DI L PIPE.FO D TOP OF F PS SLIPPII FISH IN HO PEAR GRAI	DS FOR FISP COULD NOR FISHING OUT OF DIE WT. 15, PEL. ZE 6.22"	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING. NS YARD FISH GETTING 000 # GRAPEL	Total  FISHING ECTIONS  AHOLD OF	Length 1 113  114  Item Drilling Food Drilling Day Water Drilling Mud Coum. Mud Coum. Mud Coument all strict Log Bits, Supplic Casing & Wo	2,121 Cumul from bi  113 113 113 113 113 113 113 113 113 Crilling Cost tage work  Cost g Unit strings ests es /ell Head  Costs	t
Hours 07:00 - 09:00 12:30 - 15:30 15:30 - 16:00 16:00 - 19:00 19:30 - 20:30 20:30 - 11:30 11:30 - 01:30	WAITING OWITH OUR TO FIT HEIL T.I.H. PICK GOOD PIU. DIP. FISHING. SPU AND SI. T.O.H. TO OCHANGE OF T.I.H. WITH FISHING PICK SI.	O.D.  ON DP FROM DP AND BE NKELS DRIL  ING UP 4 1/ DING AFTER TO GET TO SPEAR KEE LIPPS OUT.  CHANGE SPEAR KEE LIPPS OUT.	Report March Beemann Beemanns Die Land Pipe. For the Person Stipping Fish in house Brapel Size Person Branch Brapel Size Person Branch Brapel Size Person Branch Br	DS FOR FISP COULD NOR FISHING OUT OF DIE WT. 15, PEL. ZE 6.22"	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING. NS YARD FISH GETTING 000 # GRAPEL	Total  FISHING ECTIONS  AHOLD OF SIZE 6.095"	Length 1 113  114  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cogning Mud Coment all storill Stem T Electric Log Bits, Supplic Casing & Wo Other Cum. Daily	2,121 Cumul from bi  113 113 113 113 113 113 113 113 Cost in the strings in the s	t
Hours 07:00 - 09:00 12:30 - 15:30 15:30 - 16:00 16:00 - 19:00 19:30 - 20:30 20:30 - 11:30 01:30 - 04:30	WAITING OWITH OUR TO FIT HEI T.I.H. PICK GO P/U. D/P. FISHING. SPU AND SI T.O.H. TO CHANGE OWITH WITH FISHING PFISH LOO	O.D.  ON DP FROM DP AND BE NKELS DRIL  ING UP 4 1/ DING AFTER TO GET TO SPEAR KEE IPPS OUT.  CHANGE SF GRAPPLE. G 1 6.22" GRA ICKED UP F SE. T.O.H.	Report Re	DS FOR FISP COULD NOR FISHING  AT BEEMAING  ISH  NG OUT OF DLE WT. 15,  PEL.  ZE 6.22"  FOP OF FISH  KING FISH	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING. NS YARD FISH GETTING 000 # GRAPEL H @ 1854' LOOSE. OVER	Total  FISHING ECTIONS  AHOLD OF SIZE 6.095"	Length  1 113  114  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily Total Well C Time Cat Rotating	2,121 Cumul from bi  113 113 113 113 113 113 113 113 Corilling Cost tage work  Cost g Unit strings ests ls es /ell Head  Costs Costs tegory	sts Daily
Hours 07:00 - 09:00 12:30 - 12:30 15:30 - 16:00 16:00 - 19:00 19:30 - 20:30 20:30 - 11:30 01:30 - 04:30	WAITING C WITH OUR TO FIT HEI  T.I.H. PICK  TRUCK GC  P/U. D/P.  FISHING. S PU AND SI  T.O.H. TO C CHANGE C T.I.H WITH FISHING P FISH LOO L/D FISHIN	O.D.  ON DP FROM DP AND BE NKELS DRIL  ING UP 4 1/ DING AFTER TO GET TO SPEAR KEE IPPS OUT.  CHANGE SF GRAPPLE. G 1 6.22" GRA ICKED UP F SE. T.O.H.	Report Re	DS FOR FISP COULD NOR FISHING  AT BEEMAING  ISH  NG OUT OF DLE WT. 15,  PEL.  ZE 6.22"  FOP OF FISH  KING FISH	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING. NS YARD FISH GETTING 000 # GRAPEL	Total  FISHING ECTIONS  AHOLD OF SIZE 6.095"	Length  1 113  114  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well C Time Cat Rotating Drig. (non re	2,121 Cumul from bi  113 113 113 113 113 113 113 113 113 Corilling Cost tage work  Cost g Unit strings ests ls es /ell Head  Costs Costs tegory otating)	t sts Daily Hrs.
Hours 07:00 - 09:00 12:30 - 12:30 15:30 - 16:00 16:00 - 19:00 19:30 - 20:30 20:30 - 11:30 11:30 - 01:30 01:30 - 04:30 04:30 - 06:00	WAITING C WITH OUR TO FIT HEI  T.I.H. PICK  TRUCK GC  P/U. D/P.  FISHING. S PU AND SI  T.O.H. TO C CHANGE C T.I.H WITH FISHING P FISH LOO L/D FISHIN IN HOLE.	O.D.  ON DP FROM DP AND BE NKELS DRIL  ING UP 4 1/ DING AFTER TO GET TO  SPEAR KEE IPPS OUT.  CHANGE SF GRAPPLE. G 1 6.22" GRA ICKED UP F SE. T.O.H. IG TOOLS A	Report Re	DS FOR FISP COULD NOR FISHING  AT BEEMAING  ISH  NG OUT OF DLE WT. 15,  PEL.  ZE 6.22"  FOP OF FISH  KING FISH	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING. NS YARD FISH GETTING 000 # GRAPEL H @ 1854' LOOSE. OVER	Total  FISHING ECTIONS  AHOLD OF SIZE 6.095"	Length  1 113  114  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well C Time Cat Rotating Drig. (non rec Csg. & Cmt	2,121 Cumul from bi  113 113 113 113 113 113 113 113 113 Corilling Cost tage work  Cost g Unit strings ests ls es /ell Head  Costs Costs tegory otating)	t sts Daily Hrs.
Hours 07:00 - 09:00 12:30 - 12:30 15:30 - 16:00 16:00 - 19:00 19:30 - 20:30 20:30 - 11:30 11:30 - 01:30	WAITING C WITH OUR TO FIT HEI  T.I.H. PICK  TRUCK GC  P/U. D/P.  FISHING. S PU AND SI  T.O.H. TO C CHANGE C T.I.H WITH FISHING P FISH LOO L/D FISHIN IN HOLE.	O.D.  ON DP FROM DP AND BE NKELS DRIL  ING UP 4 1/ DING AFTER TO GET TO  SPEAR KEE IPPS OUT.  CHANGE SF GRAPPLE. G 1 6.22" GRA ICKED UP F SE. T.O.H. IG TOOLS A	Report Re	DS FOR FISP COULD NOR FISHING  AT BEEMAING  ISH  NG OUT OF DLE WT. 15,  PEL.  ZE 6.22"  FOP OF FISH  KING FISH	ations SHING. WILL, BEOT FIND CONN TOOLS. HING STRING. NS YARD FISH GETTING 000 # GRAPEL H @ 1854' LOOSE. OVER	Total  FISHING ECTIONS  AHOLD OF SIZE 6.095"	Length  1 113  114  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well C Time Cat Rotating Drig. (non re	2,121 Cumul from bi  113 113 113 113 113 113 113 113 113 Crilling Cost tage work  Cost g Unit strings ests ls es /ell Head  Costs Costs tegory  ctating)	t sts Daily Hrs.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>,

<jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>, <dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>,

<bartkettle@utah.gov>

Date:

11/19/2005 6:59:31 AM

Subject:

TWO FER 26-30

RICHARD,

FISH IS OUT OF HOLE. HAVE A 10 X 5' PEACE LEFT IN HOLE. GOING TO GET A MAGENT TO FISH OUT 8 X 4" JUNK OUT OF THE HOLE.

THANKS FOR YOUR HELP. HAVE A SAFE WEEKEND

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To: Date: <caroldaniels@utah.gov>
11/19/2005 6:42:21 PM

Subject:

CORRECTED

CAROL,

**THANKS** 

```
>From: "Carol Daniels" <caroldaniels@utah.gov>
>To: <clintrhodd_62@hotmail.com>
>Subject: Re: TWO FER 26-30 REOPRT
>Date: Thu, 17 Nov 2005 13:25:00 -0700
>Clint,
>On your daily drilling report you have been sending them in under the same
>of SIMS # 16-26 instead of TWO FER 26-30. Could you please change the
>name.
>Thanks.
>Carol
>>> "Clint Rhodd" <clintrhodd 62@hotmail.com> 11/17/2005 7:03 AM >>>
>RICHARD,
>DRILLING AHEAD. @ 2,214' AVE 3.43' FPH.
>EST. CLASIC 1 LATE SATURDAY EVENING.
>THANKS FOR YOUR HELP HAVE A SAFE DAY.
>CLINT
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### INTREPID OIL & GAS LLC DAILY DRILLING REPORT

43-019-31452

Well Name		VO FER 16-			Location		SEC. 26	- R26- T20	
Date Day No.	11/20'05 Rig HENKEL			Present Op	eration	LOT	DRILLING L/STONE NO CHANGE		
Day No. Depth ft	2,248	Formation Previous De		2,235'	Lithology Proposed T	'n		ERTON (MIS	
Made	13	ft in	•	hrs	Drilling rate			ft. per hr.	3) 2000
		,	· · · · · · · · · · · · · · · · · · ·	Mud					
Weight	9.2	Chlorides	74,000	Calcium	33,000	Solids		L.C.M.	
VIS. Fun.	AIR MIST	P.V.		Y.P.		Gels		PH	
Water loss		Filter Cake		KCL % Mud Gas		Oil %		Nitrates	<del></del>
Average	3	Maximum	5	Connection	NONE	Trip	NONE	Flare	NINE
u.a.gu			litions last			& Quantity		, riaic	ININE
				D:/ E					
WOB	35,000	RPM	65	BITH	Record	ative Rotating	a Houro	205 5	
Dull Bit No.	33,000	Size		Туре	Cumuk	Ser. No.	y nouis	205.5 Jets	
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	6	Size	12 1/4	Туре	BUTTON	Ser. No.		Jets	3 20/32
Depth in	2,235	Made	13_	ft in	2	hrs.	6.5		
		nps	BOF						
Mud Pump Make	No. 1 EMSCO	No. 2		pest Casing			Weight	•	onditions
Liner	1350 cfm	BRUSTER Air Comp.	Size 20"	Depth	Min. Burst 2410	Pick Up	75,000 75,000		Spots Out Over Pull
Stroke	1000 01111	All Comp.		Shoe test	2410	Slack Off	75,000		NONE
SPM			Equiv. Mud	Weight		Rotating To			7,0,1,2
GPM				Last BOP C		Neutral	75,000		
Pump psi	250		Pressure T		1,000	Pick Up	75,000		eight trip In
Slow Pump F SPM			BOP Drill 8 Drill String		NOV-17-05	Slack Off Last Date B	75,000		NONE
Pump psi			Annular Vo		#VALUE!	4	? ?	Ft. of Fill	
	Dr	ill String a				Configurat		, 0, , ,,,	
	<b>Drill Pipe</b>							Cumulat	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	
7"				6 5/8 IF	5"		2,158.00	2,158	
								2,158	
	Bottom Ho	le Assembl						2,158	ative feet
ltem	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from bi	
Bit							1		•
DC	3	9"					89	90	
				<del></del>					
							90		
	1	LF	Report of	Operation				rilling Co	ete
Hours	I	•	(opoil oi	opolatio.	.0		l Item	inning oo.	Daily
07;00 - 16:30	WAITING C	ON MAGENE	NT TO FIS	H OUT BRO	KE OFF PIE	CE OF DP.	Drilling Foot		
40.00 40.00	- (0 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	INTERNATION		10.00			Drilling Day	work	
16:30 - 18:00	EOD EISHI	INE ON LO	CATION @	16:20 SIR	ING WIRE L	INE ON DR		,	
	1 01(110111	ING VVIIII VV	INC LINE.				Drilling Mud Cum. Mud (		
18:00 - 21:00	P/U. MAGR	RNENT & T.I	H ON WIR	E LINE MAD	E 10 RUNS	RETREIVI			
		CES. NOT					Cement all	strings	
04.00 00.00	OTDING D	OK UD TO	D DI 0010				Drill Stem T		
21:00 - 22:00	STRINGBA	ACK OP TRI	P BLOCKS				Electric Log Bits, Supplie		
22:00 - 23:00	MAKE UP I	NEW 12 1/4'	BIT. & TR	IP IN HOLE.					
	MAKE UP NEW 12 1/4" BIT. & TRIP IN HOLE.  Casing & Well Head								
23:00 - 03:00	T.I.H. W/BUTTON BIT.							'	
	DDU LING HANK						Other		
03:00 - 05:00	DRILLING JUNK					Cum. Daily			
05:00 - 07:00	DRILL INC.	DRILLING F/ 2,235' TO 2,248' 13' IN 2 HRS. R.O.P. 6.5' F.P.H. Time Category							
00.00 - 07.00	PIXILLING	112,230 10	<u>4,240 ا</u> ا	114 Z TKO.	K.U.P. 6.	<u> </u>	Rotating	шуогу	205.5
	EST. CLACTIC 1 MONDAY MORNING.					Drlg.(non rotating)			
							Csg. & Cmt		
	NO ACCIDENTS, - "SAFETY MEETING" - WEATHER:: 24 DEG. BRO. 30.41 - HUMIDITY 69% - VISIBILITY OMPH CALM.					Evaluation			
Drilling Sune			_	VISIBILITY (		M. Tool Pusher	Unschedule	d Events	

"Clint Rhodd" <clintrhodd 62@hotmail.com>

To:

<richard.miller@intrepidpotash.com>, <rick.york@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>, <dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>,

<bartkettle@utah.gov>

Date:

11/20/2005 7:35:49 AM

Subject:

**TWO FER26-30** 

RICHARD,

CLASTIC 1 @ 2,373' WILL START ADDING 2H BRINE WATER TODAY. WILL START SACK SALTING AT 2,300' ABOUT 19:00 TONIGHT.

THANKS FOR YOUR HELP. HAVE A SAFE DAY EVERYBODY.

## INTREPID OIL & GAS LLC DAILY DRILLING REPORT

43-019-31452

Well Name				Location		SEC 26 - T 26S - R 20E			
Date	11/21/05			NKEL	Present Operation		DRILLING		
Day No.	29	Formation		HARD LIMESTONE Lithology			MED- LT GRAY HARD LINE STONE		
Depth ft Made	2,292 44	Previous De	∍ρτη 19	2,248' hrs	Proposed T Drilling rate		6800 2.31 ft. per hr.		
Made				Mud	Drilling rate	· OI	2.31	ft. per hr.	
Weight	9.6	Chlorides	114,000			Solids		L.C.M.	
VIS. Fun.	AIR MIST	P.V.		Y.P.		Gels		PH	
Water loss		Filter Cake		KCL %	,	Oil %		Nitrates	
•	_		_	Mud Gas				,	
Average	3	Maximum	5 litions last	Connection		Trip	NONE	Flare	NONE
	ADD 360 B					t & Quantity STEM 9.6 PPG.			
					1 20,0 011	<u> </u>	<del></del>		
				Bit	Record				
WOB	35,000	RPM	65	ı	Cum	ulative Rotating I	Hours	224.5	
Dull Bit No.	· · · · · · · · · · · · · · · · · · ·	Size		Туре		Ser. No.		Jets	
Depth Out Present Bit #	6	Made Size	12 1/4	ft in	DUITTON	hrs. Ft/hr		Dull Gr.	0 00/00
Depth in	2235	Made	101	Type ft in	BUTTON 40	Ser. No. hrs.	Avg. ft./hr.	Jets 2.53	3 20/32
_ <b></b>		nps	BOF				-	Condition	Info
Mud Pump	No. 1	No. 2		pest Casing		String W	•	_	onditions
Make	EMSCO	BRUSTER	Size	Depth	Min. Burst		76,000		Spots Out
Liner	1350 cfm	Air Comp.	20"		2410	Pick Up	76,000	Depth	Over Pull
Stroke				Shoe test		Slack Off	76,000		
SPM GPM			Equiv. Mud	i Weight Last BOP C	hook	Rotating Torque	€ 350		
Pump psi	290		Pressure T		1,000	Pick Up	NONE	Takes W	eight trip In
Slow Pump F			BOP Drill 8		NOV-17-05		NONE	Takes VV	
SPM			Drill String			Last Date BHA		· · · · · · · · · · · · · · · · · · ·	
Pump psi			Annular Vo			Inspected	?	Ft. of Fill	
		I String a	nd Bottoi	m Hole As	sembly C	onfiguration			
	Drill Pipe								ive ft. from
Size 7"	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	llars
				6 5/8 IF	5"		2,202.00	2,202 2,202	
								2,202	
	<b>Bottom Ho</b>	le Assembl	у		<u> </u>	<del>,</del>		Cumulativ	e feet
Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from b	it
Bit DC						•	l 1		
		OII.	6"		400				
		9"	6"		100		89		
		9"	6"		100		89	90	
		9"	6"		100		89		
		9"	6"		100		89		
		9"	6"		100		89		
		9"	6"		100		89		
		9"	6"		100	Total	89		
		9"		of Operati			90	90	sts
Hours			Report	•	ons	Total	90 C Item	90 Orilling Co	sts Daily
	DRILG. F/		Report	•	ons	Total	90 Item Drilling Foot	90 Drilling Costage	
<b>Hours</b> 07:00 - 14:00		2,248' TO 2.	Report 6	•	ons	Total	90  Item  Drilling Food	90 Drilling Costage	
Hours		2,248' TO 2.	Report 6	•	ons	Total	90  Item  Drilling Fool Drilling Day	90 Drilling Costage	
Hours 07:00 - 14:00	CONNECT	2,248' TO 2,	Report 6	17 HRS. R	ons OP 4.14' FP	Total	90  Item  Drilling Food	90 Drilling Costage	
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT	2,248' TO 2,	Report 6	17 HRS. R	ons OP 4.14' FP	Total	90  Item  Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	Prilling Costage work Cost g Unit	
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT	2,248' TO 2,	Report 6	17 HRS. R	ons OP 4.14' FP	Total	90  Item  Drilling Food Drilling Day Water  Drilling Mud Cum. Mud ( Mud Loggin Cement all	Prilling Costage work Cost g Unit strings	
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT	2,248' TO 2,	Report 6	17 HRS. R	ons OP 4.14' FP	Total	90  Item  Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T	Prilling Costage work Cost g Unit strings ests	
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT	2,248' TO 2,	Report 6	17 HRS. R	ons OP 4.14' FP	Total	90  Item  Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log	Prilling Costage work  Cost g Unit strings ests s	
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT	2,248' TO 2,	Report 6	17 HRS. R	ons OP 4.14' FP	Total	90  Item  Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T	Prilling Costage work  Cost g Unit strings fests s es	
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT	2,248' TO 2,	Report 6	17 HRS. R	ons OP 4.14' FP	Total	90  Item  Drilling Food Drilling Day Water Drilling Mud Cum. Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplie	Prilling Costage work  Cost g Unit strings fests s es	
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT	2,248' TO 2,	Report 6	17 HRS. R	ons OP 4.14' FP	Total	90  Item  Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W	Prilling Costage work  Cost g Unit strings fests s es	
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT	2,248' TO 2,	Report 6	17 HRS. R	ons OP 4.14' FP	Total	90  Item  Drilling Food Drilling Mud Cum. Mud Coggin Cement all: Drill Stem T Electric Log Bits, Supplie Casing & W	Prilling Costage work  Cost g Unit strings ests s es /ell Head	
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT DRILG. FF	2,248' TO 2, ION @ 2,27	Report 6,277 29' IN	17 HRS. R	OP 4.14' FP	Total H. 1.25' FPH	90  Item  Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplie Casing & W  Other  Cum. Daily	Prilling Costage work  Cost g Unit strings ests s es /ell Head	
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT DRILG. FF	2,248' TO 2, ION @ 2,27 ROM 2,277'	Report 6,277 29' IN	17 HRS. R	OP 4.14' FP	Total	90  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all: Drill Stem T Electric Log Bits, Supplie Casing & W Other Cum. Daily Total Well (	Prilling Costage work  Cost g Unit strings ests s es /ell Head  Costs Costs	Daily
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT DRILG. FF	2,248' TO 2, ION @ 2,27 ROM 2,277'	Report 6,277 29' IN	17 HRS. R	OP 4.14' FP	Total H. 1.25' FPH	Jem Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplie Casing & W Other Cum. Daily Total Well ( Time Cat Rotating	Prilling Costage work  Cost g Unit strings ests s es /ell Head  Costs Costs tegory	
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT DRILG. FF	2,248' TO 2, ION @ 2,27 ROM 2,277'	Report 6,277 29' IN	17 HRS. R	OP 4.14' FP	Total H. 1.25' FPH	Jean Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Cum. Mud Cum. Stem Telectric Log Bits, Supplie Casing & Word Casing & Word Cum. Daily Total Well Cum. Time Cat. Rotating Drig. (non roce Time Cat. Rotating Drig. (n	porilling Costage work  Cost g Unit strings ests s es /ell Head  Costs Costs tegory  otating)	Daily
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT DRILG. FF	2,248' TO 2, ION @ 2,277' ROM 2,277'	Report 6 ,277 29' IN 77' TO 2,292'	15' IN 12 H	ons OP 4.14' FP RS. ROP.  ER 360 BB	Total H. 1.25' FPH	Jean Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Stem Telectric Log Bits, Supplie Casing & Word Casing & Word Cum. Daily Total Well Casing Drig. (non recog. & Cmt.)	porilling Costage work  Cost g Unit strings ests s es /ell Head  Costs Costs tegory  otating)	Daily
Hours 07:00 - 14:00 14:00 0 19:00	CONNECT DRILG. FF	2,248' TO 2, ION @ 2,277' ROM 2,277'	Report 6 ,277 29' IN 77' TO 2,292'	17 HRS. R	ons OP 4.14' FP RS. ROP.  ER 360 BB	Total H. 1.25' FPH	Jean Drilling Food Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Cum. Mud Cum. Stem Telectric Log Bits, Supplie Casing & Word Casing & Word Cum. Daily Total Well Cum. Time Cat. Rotating Drig. (non roce Time Cat. Rotating Drig. (n	porilling Costage work  Cost g Unit strings rests is es dell Head  Costs Costs Costs tegory  otating)	Daily

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>,

<rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>,
<jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>,

<dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>,

<bartkettle@utah.gov>

Date:

11/21/2005 4:13:15 PM

Subject:

**EVENING REOPRT** 

RICHARD,

DRILLING AHEAD AT 2321' ROP 4' FPH.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>, <dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>, <bartkettle@utah.gov>

Date:

11/21/2005 6:35:49 AM

Subject:

TWO FER 26-30

RICHARD,

DRILLING AHEAD @ 2,299' ROP 1.3' FPH.

ALL FLOAT EQUIPMENT IS ON LOCATION. BJ WILL BRING THE BAKER LOCK.

WILL WELD BOTTOM OF COLLARS ON 9 5/8" CASING.

THANKS FOR YOUR HELP. HAVE A SAFE DAY.



The Intrepid Companies 700 17th Street, Suite 1700 Denver, CO 80202 303.296.3006 303.298.7502 fax

November 14, 2005

Mr. Dustin Doucet State of Utah Department of Natural Resources Division of Oil, Gas and Mining 1594 W. North Temple, Suite 1210 PO Box 145801 Salt Lake City, UT 84114-5801

Dear Mr. Doucet,

Enclosed are three copies and one original Notice of Intent, Notice of Spud for the Two Fer 26-30 well. Please return an approved copy in the self addressed stamped envelope upon your approval.

Sincerely,

Richard Miller

Special Projects Manager

SINCE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

This space for State use only)		PECE!!			
SIGNATURE Transport VIII	DATE 11/11/2005				
NAME (PLEASE PRINT) Richard Miller	Special Projects	Special Projects Manager			
This well spudded on 10/28/2005.					
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent deta	ils inc luding dates, depths, volum	es, etc.			
CONVERT WELL TYPE RECO	OMPLETE - DIFFERENT FORMATION				
Date of work completion:	AMATION OF WELL SITE	✓ other: Notice of Spud			
(Submit Original Form Only)	BACK DUCTION (START/RESUME)	WATER DISPOSAL WATER SHUT-OFF			
	AND ABANDON	VENT OR FLARE			
	ATOR CHANGE	TUBING REPAIR			
	CONSTRUCTION	TEMPORARILY ABANDON			
NOTICE OF INTENT (Submit in Duplicate)  ACIDIZE  DEEF	EN TURE TREAT	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL			
TYPE OF SUBMISSION	TYPE OF ACTION				
11. CHECK APPROPRIATE BOXES TO INDICATE NATU	RE OF NOTICE, REPO	RT, OR OTHER DATA			
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 26 26S 20E		STATE: UTAH			
FOOTAGES AT SURFACE: 588 FSL 1864 FWL Sect 26		COUNTY: Grand			
4. LOCATION OF WELL	(000) 200-0000	madat			
3. ADDRESS OF OPERATOR:	PHONE NUMBER: (303) 296-3006	10. FIELD AND POOL, OR WILDCAT: Wildcat			
2. NAME OF OPERATOR: Intrepid Oil & Gas, LLC		9. API NUMBER: 4301931452			
OIL WELL 🛂 GAS WELL 📋 OTHER		Two Fer 26-30			
drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such p	roposals.	Two Fer  8. WELL NAME and NUMBER:			
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-ho	7. UNIT or CA AGREEMENT NAME:				
SUNDRY NOTICES AND REPORTS ON W	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
DIVISION OF OIL, GAS AND MINING		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49436-OBA			

RECEIVED NOV 2 1 2005

#### INTREPID OIL +GAS LLC

#### DAILY DRILLING REPORT

43-019-31452

Well Name	TV	VO FER 16-		_	Location		SEC.26 -T2	6S - R20E	
Date		. •	HEI	NKEL	Present Op	eration			
Day No.	30	Formation		0.000	Lithology				
Depth ft Made		Previous De	eptn	2,292 hrs	Proposed T Drilling rate			6800 ft. per hr.	
Made		. "		.'" <sup>s</sup> Mud	Drilling rate	: 01		it. per nr.	
Weight	9.6	Chlorides	13,000	Calcium	4,800	Solids	N/C	L.C.M.	NONE
VIS. Fun.	27	P.V.	N/C	Y.P.	N/C	Gels	N/C	PH	8
Water loss	N/C	Filter Cake	NONE	KCL %	N/C	ECD.		Nitrates	NONE
	_		_	Mud Gas					
Average	3	Maximum	5 litions last	Connection		Trip	NONE	Flare	NONE
		maa aac	וונוטווס ומסנ	24 Hours	Floude	t & Quantity			
WOD	05.000	DÖM	0.5	Bit	Record				
WOB Dull Bit No.	35,000	RPM Size	65	Tune	Cum	ulative Rotating	Hours	1-4-	-
Depth Out	Andrew de later	. Size Made		Type ft in		Ser. No. hrs. Ft/hr	W	Jets Dull Gr.	
Present Bit #	6	Size	12 1/4	Type	BUTTON	Ser. No.		Jets	3 20/32
Depth in	2235	Made		ft in	15	hrs.	Avg. ft./hr.		
	Pur	mps	BOF	Inform	ation	Hole	<b>Drag and</b>	Condition	Info.
Mud Pump	No. 1	No. 2		pest Casing	•	String V	Veight		onditions
Make Liner	EMSCO	BRUSTER	Size	Depth	Min. Burst			_	Spots Out
Stroke	1350 cfm	Air Comp.		Shoe test	11.2 PPG	Pick Up Slack Off		Depth	
SPM			Equiv. Muc		11.2110	Rotating Torqu	<u> </u>	:	
GPM				Last BOP C	heck	Neutral			
Pump psi	290		Pressure T			Pick Up		Takes W	eight trip In
Slow Pump F	Rates		BOP Drill 8		NOV-17-05	4			
SPM Pump psi			Drill String Annular Vo			Last Date BHA	•	F1 - ( F'0	<u> </u>
Fullip psi	Г	rill String			Accombly	Inspected / Configuration	?	Ft. of Fill	
	Drill Pipe	in oung	and bot		Maaciiibi)	Comiguration	/II	Cumulat	tive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	
7"				6 5/8 IF	5"	1.0.0.5.		10p 01 <u>0</u> 1	Jiidis
	Pottom Ho	lo Assembl		<u> </u>	ł		l		
Item		le Assembl		Thread	l he /ft	Grade	Length	-1	lative feet
I <b>tem</b> Bit	Bottom Ho Quantity	l ble Assembl O.D.	<u> </u> у   I.D. 	Thread	Lbs./ft	Grade	Length	Cumu from b	
				Thread	Lbs./ft	Grade	Length 1 89	-1	
Bit		O.D.	I.D.	Thread		Grade	1	-1	
Bit		O.D.	I.D.	Thread		Grade	1	-1	
Bit		O.D.	I.D.	Thread		Grade	1	-1	
Bit		O.D.	I.D.	Thread		Grade	1	-1	
Bit		O.D.	I.D.	Thread		Grade	1	-1	
Bit		O.D.	I.D.	Thread			89	-1	
Bit		O.D.	I.D.		100	Grade	90	from b	oit .
Bit DC		O.D.	I.D.	Thread of Operation	100		90	-1	sts
Bit DC	Quantity	O.D.	I.D.	of Operation	100 	Total	90 Litem	from b	oit .
Bit DC Hours 07:00 - 07:30	DRILG. FR	O.D. 9"	I.D.	of Operation	100 	Total	90	from b	sts
Bit DC	DRILG. FR	O.D. 9"	I.D.	of Operation	100 	Total	90  Item Drilling Food	from b	sts
Hours 07:00 - 07:30	DRILG. FR	O.D. 9" ROM 2,292'	I.D. 6" Report o	of Operation 1' IN 1/2HR	100 ons	Total	90  Item Drilling Food Drilling Dayl Water Drilling Mud	Prilling Co	sts
Bit DC Hours 07:00 - 07:30	DRILG. FR	O.D. 9" ROM 2,292'	I.D. 6" Report o	of Operation 1' IN 1/2HR	100 ons	Total	90  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud (	from b	sts
Hours 07:00 - 07:30 07:30 - 08:30	DRILG. FF	O.D. 9" ROM 2,292' TRIG	Report o	of Operation 1' IN 1/2HR	100 ons	Total	90  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	prilling Co	sts
Hours 07:00 - 07:30	DRILG. FF	O.D. 9" ROM 2,292' TRIG	Report o	of Operation 1' IN 1/2HR	100 ons	Total	90  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud (	Prilling Co tage work Cost g Unit strings	sts
Hours 07:00 - 07:30 07:30 - 08:30	DRILG. FR	O.D.  9"  ROM 2,292'  RIG  ROM 2,293'  2301' 1/4 DE	I.D. 6" Report of the control of the	of Operation 1' IN 1/2HR	100 ons . ROP. 2' F	Total  FPH.	90  Item Drilling Food Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log	Prilling Co tage work Cost g Unit strings ests	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR	O.D.  9"  ROM 2,292'  RIG  ROM 2,293'  2301' 1/4 DE	I.D. 6" Report of the control of the	of Operation 1' IN 1/2HR 8' IN 2 1./2	100 ons . ROP. 2' F	Total  FPH.	90  Item Drilling Food Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplie	Prilling Co tage work  Cost g Unit strings ests s es	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR	O.D.  9"  ROM 2,292'  RIG  ROM 2,293'  2301' 1/4 DE	I.D. 6" Report of the control of the	of Operation 1' IN 1/2HR 8' IN 2 1./2	100 ons . ROP. 2' F	Total  FPH.	90  Item Drilling Food Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log	Prilling Co tage work  Cost g Unit strings ests s es	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR	O.D.  9"  ROM 2,292'  RIG  ROM 2,293'  2301' 1/4 DE	I.D. 6" Report of the control of the	of Operation 1' IN 1/2HR 8' IN 2 1./2	100 ons . ROP. 2' F	Total  FPH.	90  Item Drilling Food Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplie	Prilling Co tage work  Cost g Unit strings ests s es	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR	O.D.  9"  ROM 2,292'  RIG  ROM 2,293'  2301' 1/4 DE	I.D. 6" Report of the control of the	of Operation 1' IN 1/2HR 8' IN 2 1./2	100 ons . ROP. 2' F	Total  FPH.	90  Item Drilling Food Drilling Mud Cum. Mud Coggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & Work Casing & Work Cother	prilling Co tage work Cost g Unit strings ests s es /ell Head	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR	O.D.  9"  ROM 2,292'  RIG  ROM 2,293'  2301' 1/4 DE	I.D. 6" Report of the control of the	of Operation 1' IN 1/2HR 8' IN 2 1./2	100 ons . ROP. 2' F	Total  FPH.	90  Item Drilling Food Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily	Prilling Co tage work Cost g Unit strings ests s es /ell Head	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR	O.D.  9"  ROM 2,292'  RIG  ROM 2,293'  2301' 1/4 DE	I.D. 6" Report of the control of the	of Operation 1' IN 1/2HR 8' IN 2 1./2	100 ons . ROP. 2' F	Total  FPH.	90  Item Drilling Food Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily Total Well	Prilling Co tage work  Cost g Unit strings ests ses /ell Head  Costs Costs	sts Daily
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR	O.D.  9"  ROM 2,292'  RIG  ROM 2,293'  2301' 1/4 DE	I.D. 6" Report of the control of the	of Operation 1' IN 1/2HR 8' IN 2 1./2	100 ons . ROP. 2' F	Total  FPH.	90  Item Drilling Food Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Ca	Prilling Co tage work  Cost g Unit strings ests ses /ell Head  Costs Costs	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR	O.D.  9"  ROM 2,292'  RIG  ROM 2,293'  2301' 1/4 DE	I.D. 6" Report of the control of the	of Operation 1' IN 1/2HR 8' IN 2 1./2	100 ons . ROP. 2' F	Total  FPH.	90  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Cat Rotating	Prilling Co tage work  Cost g Unit strings ests s es /ell Head  Costs Costs tegory	sts Daily
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR	O.D.  9"  ROM 2,292'  RIG  ROM 2,293'  2301' 1/4 DE	I.D. 6" Report of the control of the	of Operation 1' IN 1/2HR 8' IN 2 1./2	100 ons . ROP. 2' F	Total  FPH.	90  Item Drilling Food Drilling Day Water Drilling Mud Coum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplicasing & Wood Other Cum. Daily Total Well Time Carrow Rotating Drig. (non recognition)	prilling Co tage work  Cost g Unit strings ests s es /ell Head  Costs Costs tegory etating)	sts Daily
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FF DRILG. FF DRILG. FF	O.D.  9"  ROM 2,292'  RIG  ROM 2,293'  2301' 1/4 DE	I.D. 6" Report of the control of the	of Operation 1' IN 1/2HR 8' IN 2 1./2	100 ons . ROP. 2' F HRS 3.2'	Total  FPH.	90  Item Drilling Food Drilling Dayl Water Drilling Mud Coum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & Woother  Cum. Daily Total Well Time Carrow Cas. & Commer Carrow Cas. & Commer Cas. & Commer Commer Cas. & Co	prilling Co tage work  Cost g Unit strings ests ss es /ell Head  Costs Costs tegory otating)	sts Daily
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR  SERVICE F  DRILG. FR  NO ACCID	O.D.  9"  ROM 2,292'  RIG  ROM 2,293'  2301' 1/4 DE	I.D. 6" Report of the control of the	of Operation 1' IN 1/2HR 8' IN 21./2 20' IN 5 HF	100 ons . ROP. 2' F HRS 3.2'	Total  FPH.	90  Item Drilling Food Drilling Day Water Drilling Mud Coum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & Word Casing & Word Casing & Word Casing Country Total Well Time Care Rotating Drig. (non receival Logging Country C	prilling Co tage work  Cost g Unit strings ests ss es /ell Head  Costs Costs tegory otating)	sts Daily

#### DAILY DRILLING REPORT

Well Name	TV	VO FER 16-	-30		Location		SEC.26 -T269	S - R20F	
Date				NKEL	Present Ope			T.I.H. TO FIS	SH SH
Day No.	30	Formation	LIME	STONE	Lithology			GR/BLK LIN	
Depth ft	2,323	Previous De	epth	2,292	Proposed TD	) '	<del></del>	6800	
Made	31	ft in	8 1/2	hrs	Drilling rate of	of	3.65	ft. per hr.	
		* .		Mud				_	
Weight	9.6	Chlorides	13,000	Calcium	4,800	Solids	N/C	L.C.M.	NONE
VIS. Fun.	27	P.V.	N/C	Y.P.	N/C	Gels	N/C	PH	8
Water loss	N/C	Filter Cake	NONE	KCL %	N/C	ECD.		Nitrates	NONE
			_	Mud Gas					
Average	3	Maximum	5	Connection		Trip	NONE	Flare	NONE
		Mud add	litions last	24 hours	Produ	ict & Quantity			
				<del></del>	· · · · · · · · · · · · · · · · · · ·				
		·			Bit Record			i	
WOB	35,000	RPM	65	•		mulative Rotating Ho	uire	233	
Dull Bit No.		Size		Туре	Ou.	Ser. No.		Jets	
Depth Out		Made		ft in	-	hrs. Ft/hr		- Dull Gr.	
Present Bit #	6	Size	12 1/4	Туре	BUTTON	Ser. No.		Jets	3 20/32
Depth in	2235	Made		ft in	15	hrs.	Avg. ft./hr.	_	
	Pu	mps	BO	P Inform	nation	Hole D	-	ondition I	nfo.
Mud Pump	No. 1	No. 2	Dec	epest Casin	g Set	String We		•	onditions
Make	EMSCO	BRUSTER	Size	Depth	7	Neutral	78,000	1 -	Spots Out
Liner	1350 cfm	Air Comp.		·		Pick Up	78,000	Depth	
Stroke	-				11.2 PPG	Slack Off	78,000	NONE	
SPM			Equiv. Mud			Rotating Torque			<u> </u>
GPM				Last BOP C	Check	Neutral	350		
Pump psi	290		Pressure T			Pick Up		Takes W	eight trip In
Slow Pump I	Rates		BOP Drill 8		NOV-17-05			NONE	
SPM			Drill String			Last Date BHA	_		
Pump psi		D : 11 O( :	Annular Vo			Inspected	?	Ft. of Fill	
			ng and B	ottom Ho	le Assembl	ly Configuration			
	Drill Pipe							Cumulat	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	, T.J. I.D.	, T. J. O.D.	Length	top of co	ollars
7"				6 5/8 IF	5"		2,233.00		<del></del>
			F						
	1	·							
	Pottom He	io Assembly							
ltem		ole Assembl	·	Thread	I be /ft	Grada	Longth		ative feet
Item Bit	Bottom Ho Quantity	ole Assembl O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	Cumul from b	
Item Bit DC			·	Thread		Grade	1		
Bit		O.D.	I.D.	Thread	Lbs./ft	Grade	Length 1 89		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread			89		
Bit		O.D.	I.D. 6"		100	Grade Total	90	from b	it
Bit		O.D.	I.D. 6"	Thread	100		90		sts
Bit DC	Quantity	O.D.	I.D. 6" Repor	t of Opera	100	Total	90 Litem	from b	it
Bit DC Hours 07:00 - 07:30	Quantity  DRILG. FF	O.D. 9"	I.D. 6" Repor	t of Opera	100	Total	90	from b	sts
Bit DC Hours	Quantity  DRILG. FF	O.D. 9"	I.D. 6" Repor	t of Opera	100	Total	90  Item Drilling Foo Drilling Day Water	from b	sts
Hours 07:30 - 08:30	DRILG. FF	O.D. 9" ROM 2,292' T	I.D. 6" Repor	t of Opera	100 ations	Total	90  Item Drilling Foo Drilling Day Water Drilling Mud	from b	sts
Bit DC Hours 07:00 - 07:30	DRILG. FF	O.D. 9" ROM 2,292' T	I.D. 6" Repor	t of Opera	100 ations	Total	90  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Cum. Mud	from b	sts
Hours 07:00 - 07:30 08:00 - 10:30	DRILG. FF	O.D. 9" ROM 2,292' TRIG	Repor	t of Opera	100 ations	Total	90  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Mud Loggin	from b	sts
Hours 07:30 - 08:30	DRILG. FF	O.D. 9" ROM 2,292' TRIG	Repor	t of Opera	100 ations	Total	90  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Mud Loggin Cement all	prilling Cost age work Cost ag Unit strings	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR	O.D. 9" ROM 2,292' 1 RIG ROM 2,293'	Repor	t of Opera 1' IN 1/2HR. 8' IN 21./2	100 ations ROP. 2' FP	Total  H.	90  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Mud Loggin Cement all Drill Stem T	from b  Cost tage work  Cost tage Unit strings	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR	O.D. 9" ROM 2,292' 1 RIG ROM 2,293'	Repor	t of Opera 1' IN 1/2HR. 8' IN 21./2	100 ations ROP. 2' FP	Total	90  Item Drilling Foo Drilling Muc Cum. Mud Mud Loggin Cement all Drill Stem T Electric Log	from b  Prilling Cost tage work  Cost g Unit strings ests gs	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30 10:30 - 11:00	DRILG. FR	O.D.  9"  ROM 2,292' T  RIG  ROM 2,293'  2301' 1/4 DE	Repor TO 2,293' TO 2,301	t of Opera 1' IN 1/2HR. 8' IN 2 1./2 22' IN 5 HF	100 ations ROP. 2' FP	Total  H.	90  Item Drilling Foo Drilling Muc Cum. Mud Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	from b  Prilling Cost tage work  Cost g Unit strings ests gs es	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30	DRILG. FR	O.D.  9"  ROM 2,292' T  RIG  ROM 2,293'  2301' 1/4 DE	Repor TO 2,293' TO 2,301	t of Opera 1' IN 1/2HR. 8' IN 2 1./2 22' IN 5 HF	100 ations ROP. 2' FP	Total  H.	90  Item Drilling Foo Drilling Muc Cum. Mud Mud Loggin Cement all Drill Stem T Electric Log	from b  Prilling Cost tage work  Cost g Unit strings ests gs es	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30 10:30 - 11:00	DRILG. FF  SERVICE F  DRILG. FI  DRILG. FF	O.D.  9"  ROM 2,292' TRIG  ROM 2,293'  2301' 1/4 DE  ROM 2,301 T	Repor TO 2,301 EG.	t of Opera 1' IN 1/2HR. 8' IN 2 1./2 22' IN 5 HE	100 ations ROP. 2' FP HRS 3.2' F	Total  H.	90  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	from b  Prilling Cost tage work  Cost g Unit strings ests gs es	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30 10:30 - 11:00 11:00 - 16:30 16:00 - 17:30	DRILG. FF  SERVICE F  DRILG. FF  L/ D AIR S	O.D.  9"  ROM 2,292' TRIG  ROM 2,293'  2301' 1/4 DE  ROM 2,301 TRING LO	Repor TO 2,301 EG. TO 2,323 ST 12,000 I	t of Opera 1' IN 1/2HR. 8' IN 2 1./2 22' IN 5 HE DRILL STRIN	100 ations ROP. 2' FP HRS 3.2' F	Total  H.  LOST WETGHT  1 FT 317' DP & 90	90  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	tage work Cost og Unit strings ests us es /ell Head	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30 10:30 - 11:00 11:00 - 16:30 16:00 - 17:30	DRILG. FF  SERVICE F  DRILG. FF  L/ D AIR S	O.D.  9"  ROM 2,292' TRIG  ROM 2,293'  2301' 1/4 DE  ROM 2,301 TRING LO	Repor TO 2,301 EG. TO 2,323 ST 12,000 I	t of Opera 1' IN 1/2HR. 8' IN 2 1./2 22' IN 5 HE DRILL STRIN	100 ations ROP. 2' FP HRS 3.2' F	Total  H.  PH.  LOST WETGHT	90  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	tage work Cost og Unit strings ests us es /ell Head	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30 10:30 - 11:00 11:00 - 16:30 16:00 - 17:30	DRILG. FF  DRILG. FF  DRILG. FF  L/ D AIR ST  T.O.H. RE	O.D.  9"  ROM 2,292' TRIG  ROM 2,293'  2301' 1/4 DE  ROM 2,301 TRING LO	I.D.  6"  Repor  FO 2,293'  TO 2,301  G.  TO 2,323  ST 12,000 E  1,915.99'  RAILER . BR	t of Opera 1' IN 1/2HR. 8' IN 2 1./2 22' IN 5 HE DRILL STRIN	100 ations ROP. 2' FP HRS 3.2' F	Total  H.  LOST WETGHT  1 FT 317' DP & 90	90  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	from b  Prilling Cost tage work  Cost tag Unit strings ests ss es /ell Head	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30 10:30 - 17:30 17:30 - 20:00 20:00 - 02:00	DRILG. FR  SERVICE F  DRILG. FR  L/ D AIR ST  T.O.H. RE  MOVING F  WATING C  PICK UP 6	O.D.  9"  ROM 2,292' TRIG  ROM 2,293'  ROM 2,301 TRING LOGETRIEVED 1  RIG PIPE TRON FISHING  .095 SPEAR	I.D. 6" Repor TO 2,293' TO 2,301 EG. TO 2,323 ST 12,000 II 1,915.99' IRAILER . BR TOOLS	t of Opera 1' IN 1/2HR. 8' IN 2 1./2 22' IN 5 HE DRILL STRIN	100 ations ROP. 2' FP HRS 3.2' F	Total  H.  LOST WETGHT  1 FT 317' DP & 90	90  Item Drilling Foo Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  DC Other	tage work Cost tog Unit strings ests es /ell Head	sts
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30 10:30 - 11:00 11:00 - 16:30 17:30 - 20:00	DRILG. FR  SERVICE F  DRILG. FR  L/ D AIR ST  T.O.H. RE  MOVING F  WATING C  PICK UP 6	O.D.  9"  ROM 2,292' TRIG  ROM 2,293'  ROM 2,301 TRING LOGETRIEVED 1  RIG PIPE TRON FISHING  .095 SPEAR	I.D. 6" Repor TO 2,293' TO 2,301 EG. TO 2,323 ST 12,000 II 1,915.99' IRAILER . BR TOOLS	t of Opera 1' IN 1/2HR. 8' IN 2 1./2 22' IN 5 HE DRILL STRIN	100 ations ROP. 2' FP HRS 3.2' F	Total  H.  LOST WETGHT  1 FT 317' DP & 90	90  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & V  DC Other Cum. Daily Total Well Time Ca Rotating	tage work Cost og Unit strings ests gs es /ell Head Costs Costs tegory	sts Daily
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30 10:30 - 17:30 17:30 - 20:00 20:00 - 02:00	DRILG. FR  SERVICE F  DRILG. FR  L/ D AIR ST  T.O.H. RE  MOVING F  WATING C  PICK UP 6	O.D.  9"  ROM 2,292' TRIG  ROM 2,293'  ROM 2,301 TRING LOGETRIEVED 1  RIG PIPE TRON FISHING  .095 SPEAR	I.D. 6" Repor TO 2,293' TO 2,301 EG. TO 2,323 ST 12,000 II 1,915.99' IRAILER . BR TOOLS	t of Opera 1' IN 1/2HR. 8' IN 2 1./2 22' IN 5 HE DRILL STRIN	100 ations ROP. 2' FP HRS 3.2' F	Total  H.  LOST WETGHT  1 FT 317' DP & 90	90  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  DC Other Cum. Daily Total Well Time Ca Rotating Drlg.(non re	tage work Cost g Unit strings ests gs es /ell Head Costs Costs tegory	sts Daily Hrs.
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30 10:30 - 17:30 17:30 - 20:00 20:00 - 02:00	DRILG. FR  SERVICE F  DRILG. FR  L/ D AIR S  T.O.H. RE  MOVING F  WATING C  PICK UP 6  T.I.H. WITH	O.D.  9"  ROM 2,292' TRIG  ROM 2,293'  2301' 1/4 DE  ROM 2,301 TRING LO  ETRIEVED 1  RIG PIPE TR  DN FISHING  .095 SPEAR  H FISHING T	I.D.  6"  Repor  TO 2,293'  TO 2,301  G.  TO 2,323  ST 12,000 E  RAILER . BR  TOOLS	t of Opera 1' IN 1/2HR. 8' IN 2 1./2 22' IN 5 HE DRILL STRIN FISH LEFT I	100 ations ROP. 2' FP HRS 3.2' F RS. 4' FPH. NG WT. N HOLE 407. CK INTREPIE	Total  H.  PH.  LOST WETGHT  1 FT 317' DP & 90  DS DP FOR FISHING	90  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  DC Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro	tage work Cost g Unit strings ests gs es /ell Head Costs Costs tegory	sts Daily Hrs.
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30 10:30 - 17:30 17:30 - 20:00 20;00 - 02:00	DRILG. FR SERVICE F  DRILG. FR  SURVEY 2  DRILG. FR  L/ D AIR S  T.O.H. RE  MOVING F  WATING C  PICK UP 6.  T.I.H. WITH	O.D.  9"  ROM 2,292' TRIG  ROM 2,293'  2301' 1/4 DE  ROM 2,301 TRING LO  TRING LO  TRIEVED 1  RIG PIPE TR  ON FISHING TO  O95 SPEAR  H FISHING TENT: SAFE	I.D.  6"  Repor  TO 2,293'  TO 2,301  EG.  TO 2,323  ST 12,000 E  RAILER . BR  TOOLS  TOOLS	t of Opera 1' IN 1/2HR. 8' IN 2 1./2 22' IN 5 HF DRILL STRIN FISH LEFT I	100 ations ROP. 2' FP HRS 3.2' F RS. 4' FPH. NG WT. N HOLE 407. CK INTREPIE	Total  H.  LOST WETGHT  1 FT 317' DP & 90	90  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  DC Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro Csg. & Cmi Evaluation	tage work  Cost g Unit strings ests gs es /ell Head  Costs Costs tegory  ctating)	sts Daily Hrs.
Hours 07:00 - 07:30 07:30 - 08:30 08:00 - 10:30 10:30 - 17:30 17:30 - 20:00 20;00 - 02:00	DRILG. FR SERVICE F  DRILG. FR  SURVEY 2  DRILG. FR  L/ D AIR S  T.O.H. RE  MOVING F  WATING C  PICK UP 6  T.I.H. WITH	O.D.  9"  ROM 2,292' TRIG  ROM 2,293'  2301' 1/4 DE  ROM 2,301 TRING LO  ETRIEVED 1  RIG PIPE TR  DN FISHING  .095 SPEAR  H FISHING T	I.D.  6"  Repor  TO 2,293'  TO 2,301  G.  O 2,323  ST 12,000 E  RAILER . BR  TOOLS  TOOLS  TOOLS  TY MEETIN  - WIND C.	t of Opera 1' IN 1/2HR. 8' IN 2 1./2 22' IN 5 HF DRILL STRIN FISH LEFT I	100 ations ROP. 2' FP HRS 3.2' F RS. 4' FPH. NG WT. N HOLE 407. CK INTREPIE	Total  H.  PH.  LOST WETGHT  1 FT 317' DP & 90  DS DP FOR FISHING	90  Item Drilling Foo Drilling Muc Cum. Mud Cum. Mud Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  DC Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro Csg. & Cmi Evaluation Unschedule	tage work  Cost g Unit strings ests gs es /ell Head  Costs Costs tegory  ctating)	sts Daily Hrs.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

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Date:

11/22/2005 6:49:32 AM

Subject:

TWO FER 26-30

RICHARD,

I WILL CALL YOU WHEN WE GET THE FISH OUT OF THE HOLE.

THANKS FOR YOUR HELP, HAVE A SAFE DAY.

# INTREPIO OIL FGAS LLC DAILY DRILLING REPORT

43-019-31452

							93-6	117-314	3,2
Well Name		VO FER 16-			Location		SEC 26 -	T 26S - R 20	
Date		Rig		ENKEL	Present Op	eration		DRILLING A	
Day No.	31	Formation		STONE	Lithology		HARD		LIMESTONE
Depth ft	2,345	Previous De	•		Proposed 1			6800	
Made	22	ft in	8.5	hrs	Drilling rate	of	2.75	ft. per hr.	
				Mud					
Weight	9.6	Chlorides	_113,000	Calcium	4,800	Solids	N/C	L.C.M.	NONE
VIS. Fun.	27	P.V.	N/C	Y.P.	N/C	Gels	NONE	PH	80
Water loss	N/C	Filter Cake	N/C	Alk filt pf/mf	0/.15	ECD	NONE	Nitrates	NONE
				Mud Gas				•	
Average	3	Maximum	5	Connection	None	_ Trip	NONE	Flare	NONE
				t 24 hours	Product	t & Quantity		•	
	CI 298 COI	ROSSION II	NHIBITOR						
			•						
				Bit	Record				
WOB	30,000	RPM	60		Cumi	ulative Rotating	l Hours	241.5	
Dull Bit No.	6	Size	12 1/4	Type	BUTTON	Ser. No.		Jets	3 20/32
Depth Out	2,323	Made	88	ft in	24.5	hrs. Ft/hr	3.6	Dull Gr.	LOST BUTTONS
Present Bit #	7	Size	12 1/4	Туре	BUTTON			Jets	3 20/32
Depth in	2,323	Made		ftin		hrs.	Avg. ft./hr.		
•	Pur	nps	ВС	P Informa	tion	-	ole Drag aı	nd Condit	ion Info
Mud Pump	No. 1	No. 2		epest Casing			Weight	_	Conditions
Make	EMSCO	BRUSTER					-		
			4	Depth	Min. Burst		79,000		nt Spots Out
Liner	1350 cfm	Air Comp.	20"	207'	2120	Pick Up	79,000		Over Pull
Stroke				Shoe test		Slack Off	79,000		NONE
SPM			Equiv. Mud			Rotating Tord	•		
GPM			4	te Last BOP Ch	eck	Neutral	350		
Pump psi	270		Pressure T		2,323	Pick Up			Weight trip In
Slow Pump I			BOP Drill 8	k Function	NOV/23/05	Slack Off			NONE
SPM			Drill String	Vol. Bbls.	NONE	Last Date BH	A		
Pump psi			Annular Vo			Inspected	7	Ft. of Fill	L
		Drill String	J	ttom Hole As	ssembly (		n	j o	
	Drill Pipe		9 20		occinibily (	Joinigalatio	·11	0	1-41 . 64 6
Ci	•	C== d=	Turk a LD	<b>T.</b> 1 =	<b>-</b>				lative ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	ollars
7"				6 5/8 IF	5"		2,231.00	2,231	
	ļ								
	<u> </u>				i				
					*	<del></del>			
		le Assembl	•						nulative feet
ltem	Bottom Ho Quantity	le Assembl O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	Cun from b	
Bit		O.D.	I.D.	Thread		Grade	1	from b	it
			•	Thread	<b>Lbs./ft</b>	Grade	, –		it
Bit		O.D.	I.D.	Thread		Grade	1	from b	it
Bit		O.D.	I.D.	Thread		Grade	1	from b	it
Bit		O.D.	I.D.	Thread		Grade	1	from b	it
Bit		O.D.	I.D.	Thread		Grade	1	from b	it
Bit		O.D.	I.D.	Thread		Grade	1	from b	it
Bit		O.D.	I.D.	Thread		Grade	1	from b	it
Bit		O.D.	I.D.	Thread			1 113	from b	it
Bit		O.D.	I.D. 6"		100	Grade	1	from b	it
Bit		O.D.	I.D. 6"	Thread of Operation	100		1 113	113	it
Bit		O.D.	I.D. 6"		100		1 113	from b	Costs
Bit DC	Quantity	O.D.	I.D.	of Operation	100		1 113 113 114 Item	from b	it
Bit	Quantity	O.D.  9"  ON PIPE FRO	I.D.	of Operation	100		1 113 114 Item Drilling Foot	from b	Costs
Bit DC	Quantity	O.D.  9"  ON PIPE FRO	I.D.	of Operation	100		113 113 114 Item Drilling Foot	from b	Costs
97:00 - 09:30 09:30 - 10:00	WAITING C	O.D.  9"  ON PIPE FROM FISH.	I.D.	of Operation	100		113 113 114 Item Drilling Foot Drilling Days	from b	Costs
Bit DC	WAITING C	O.D.  9"  ON PIPE FROM FISH.	I.D.	of Operation	100		113 113 114 Item Drilling Foot Drilling Day Water Drilling Mud	from b	Costs
97:00 - 09:30 09:30 - 10:00	WAITING C P/U. PIPE T.O.H. WIT	O.D.  9"  ON PIPE FROM FISH.  H FISH.	I.D. 6" Report	of Operation	100 100	Total	113 113 114 Item Drilling Foot Drilling Dayv Water Drilling Mud Cum. Mud (	Drilling Cotage	Costs
97:00 - 09:30 09:30 - 10:00	WAITING C P/U. PIPE T.O.H. WIT	O.D.  9"  ON PIPE FROM FISH.  H FISH.	I.D. 6" Report	of Operation	100 100	Total	113 113 114 Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	Drilling Cotage work	Costs
9:30 - 10:00 15:00 - 16:30	WAITING C P/U. PIPE T.O.H. WIT	O.D.  9"  ON PIPE FROM FISH.  H FISH.	Report OM BEEMA	of Operation	100 100	Total	113 113 114 Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s	Drilling Cotage work  Cost g Unit strings	Costs
97:00 - 09:30 09:30 - 10:00	WAITING C P/U. PIPE T.O.H. WIT	O.D.  9"  ON PIPE FROM FISH.  H FISH.	Report OM BEEMA	of Operation	100 100	Total	113 113 114 Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T	Drilling Cotage work  Cost g Unit strings ests	Costs
07:00 - 09:30 09:30 - 10:00 10:00 - 15:00 15:00 - 16:30	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT	O.D.  9"  N PIPE FROW FISH.  H FISH.  FINISHED  H NEW BIT	Report OM BEEMA	of Operation	100 100	Total	113 113 114 Item Drilling Foot Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log	Drilling Cotage work  Cost g Unit strings ests s	Costs
9:30 - 10:00 15:00 - 16:30	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT	O.D.  9"  N PIPE FROW FISH.  H FISH.  FINISHED  H NEW BIT	Report OM BEEMA	of Operation	100 100	Total	1 113 114 Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie	Drilling Cotage work  Cost g Unit strings ests s es	Costs
97:00 - 09:30 09:30 - 10:00 10:00 - 15:00 15:00 - 16:30 20:-00 - 22:00	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT	O.D.  9"  N PIPE FROM FISH.  FISH.  FINISHED  H NEW BIT  TRING.	Report OM BEEMA	of Operation	100	Total S.	113 113 114 Item Drilling Foot Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log	Drilling Cotage work  Cost g Unit strings ests s es	Costs
97:00 - 09:30 09:30 - 10:00 10:00 - 15:00 15:00 - 16:30 20:-00 - 22:00	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT	O.D.  9"  N PIPE FROM FISH.  FISH.  FINISHED  H NEW BIT  TRING.	Report OM BEEMA	of Operation	100	Total S.	1 113 114 Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie	Drilling Cotage work  Cost g Unit strings ests s es	Costs
Bit DC - 07:00 - 09:30 09:30 - 10:00 - 15:00 - 16:30 - 20:00 20:-00 - 22:00 22:00 - 23:00	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT P/U. AIR S	O.D.  9"  N PIPE FROM FISH.  FISH.  FINISHED  H NEW BIT  TRING.  ROM 2,323'	Report OM BEEMA	of Operation	100	Total S.	1 113 114 Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W	Drilling Cotage work  Cost g Unit strings ests s es	Costs
97:00 - 09:30 09:30 - 10:00 10:00 - 15:00 15:00 - 16:30 20:-00 - 22:00	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT P/U. AIR S	O.D.  9"  N PIPE FROM FISH.  FISH.  FINISHED  H NEW BIT  TRING.  ROM 2,323'	Report OM BEEMA	of Operation	100	Total S.	1 113 114 Item Drilling Foot Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W	Drilling Cotage work  Cost g Unit strings ests s es es es ell Head	Costs
Bit DC    07:00 - 09:30    09:30 - 10:00    10:00 - 15:00    15:00 - 16:30    16:30 - 20:00    20:-00 - 22:00    22:00 - 23:00    23:30 23:30	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT P/U. AIR S DRILG. FF	O.D.  9"  DN PIPE FROM FISH.  & FINISHED  H NEW BIT  TRING.  ROM 2,323'	I.D. 6" Report OM BEEMA TO 2,303' TO 2,325	of Operation ANS YEARD.  O CK . BIT. CI	HANGE BITS	Total  S.  FPH.	1 113 114 Item Drilling Foot Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W Other Cum. Daily	Drilling Cotage work  Cost g Unit strings ests s es dell Head	Costs
Bit DC    07:00 - 09:30    09:30 - 10:00    10:00 - 15:00    15:00 - 16:30    16:30 - 20:00    20:-00 - 22:00    22:00 - 23:00    23:30 23:30	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT P/U. AIR S DRILG. FF	O.D.  9"  DN PIPE FROM FISH.  & FINISHED  H NEW BIT  TRING.  ROM 2,323'	I.D. 6" Report OM BEEMA TO 2,303' TO 2,325	of Operation	HANGE BITS	Total  S.  FPH.	1 113 114 Item Drilling Foot Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W	Drilling Cotage work  Cost g Unit strings ests s es dell Head	Costs
Bit DC    07:00 - 09:30    09:30 - 10:00    10:00 - 15:00    15:00 - 16:30    16:30 - 20:00    20:-00 - 22:00    22:00 - 23:00    23:30 23:30	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT P/U. AIR S DRILG. FF	O.D.  9"  DN PIPE FROM FISH.  & FINISHED  H NEW BIT  TRING.  ROM 2,323'	I.D. 6" Report OM BEEMA TO 2,303' TO 2,325	of Operation ANS YEARD.  O CK . BIT. CI	HANGE BITS	Total  S.  FPH.	1 113 114  Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well (	Drilling Cotage work  Cost g Unit strings ests s es (ell Head)  Costs  Costs	Costs Daily
Bit DC    07:00 - 09:30    09:30 - 10:00    10:00 - 15:00    15:00 - 16:30    16:30 - 20:00    20:-00 - 22:00    22:00 - 23:00    23:30 23:30	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT P/U. AIR S DRILG. FF	O.D.  9"  DN PIPE FROM FISH.  & FINISHED  H NEW BIT  TRING.  ROM 2,323'	I.D. 6" Report OM BEEMA TO 2,303' TO 2,325	of Operation ANS YEARD.  O CK . BIT. CI	HANGE BITS	Total  S.  FPH.	1 113 114  Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well ( Time Cat	Drilling Cotage work  Cost g Unit strings ests s es (ell Head)  Costs  Costs	Costs Daily Hrs.
Bit DC    07:00 - 09:30    09:30 - 10:00    10:00 - 15:00    15:00 - 16:30    16:30 - 20:00    20:-00 - 22:00    22:00 - 23:00    23:30 23:30	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT P/U. AIR S DRILG. FF	O.D.  9"  DN PIPE FROM FISH.  & FINISHED  H NEW BIT  TRING.  ROM 2,323'	I.D. 6" Report OM BEEMA TO 2,303' TO 2,325	of Operation ANS YEARD.  O CK . BIT. CI	HANGE BITS	Total  S.  FPH.	1 113 114  Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well ( Time Cat Rotating	Drilling Cotage work  Cost g Unit strings ests s es (ell Head)  Costs Costs Costs Costs	Costs Daily
Bit DC    07:00 - 09:30    09:30 - 10:00    10:00 - 15:00    15:00 - 16:30    16:30 - 20:00    20:-00 - 22:00    22:00 - 23:00    23:30 23:30	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT P/U. AIR S DRILG. FF	O.D.  9"  DN PIPE FROM FISH.  & FINISHED  H NEW BIT  TRING.  ROM 2,323'	I.D. 6" Report OM BEEMA TO 2,303' TO 2,325	of Operation ANS YEARD.  O CK . BIT. CI	HANGE BITS	Total  S.  FPH.	1 113 114  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well C Time Cat Rotating Drig.(non ro	Drilling Cotage work  Cost g Unit strings ests ses (ell Head)  Costs	Costs Daily Hrs.
Bit DC    07:00 - 09:30    09:30 - 10:00    10:00 - 15:00    15:00 - 16:30    16:30 - 20:00    20:-00 - 22:00    22:00 - 23:00    23:30 23:30	WAITING CP/U. PIPE T.O.H. WIT L/D. FISH T.I.H. WIT P/U. AIR S DRILG. FR	O.D.  9"  ON PIPE FROM FISH.  & FINISHED  H NEW BIT  TRING.  ROM 2,323'  GWIVEL.	I.D.  6"  Report  OM BEEMA  D T.O.H. TO  TO 2,303'  TO 2,325	of Operation ANS YEARD.  2' IN 1 HR 20' IN 7 1/2	HANGE BITS	Total  S.  FPH.  2.66' FPH	1 113  114  Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well ( Time Cat Rotating Drig. (non ro Csg. & Cmt.	Drilling Cotage work  Cost g Unit strings ests ses (ell Head)  Costs	Costs Daily Hrs.
Bit DC    07:00 - 09:30    09:30 - 10:00    10:00 - 15:00    15:00 - 16:30    16:30 - 20:00    20:-00 - 22:00    22:00 - 23:00    23:30 23:30	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H. WIT P/U. AIR S DRILG. FR REP. ON S DRILG. FR	O.D.  9"  ON PIPE FROM STATE OF THE STATE OF	I.D.  6"  Report  OM BEEMA  D.T.O.H. TO  TO 2,303'  TO 2,345'	of Operation ANS YEARD.  2' IN 1 HR 20' IN 7 1/2	HANGE BITS  ROP. 2'  HRS ROP 2	Total  S.  FPH.  2.66' FPH	1 113 114  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well C Time Cat Rotating Drig. (non ro Csg. & Cmt. Evaluation	Drilling Cotage work  Cost g Unit strings ests sess (ell Head)  Costs	Costs Daily Hrs.
Bit DC    07:00 - 09:30    09:30 - 10:00    10:00 - 15:00    15:00 - 16:30    20:-00 - 22:00    22:00 - 23:00    23:30 23:30    23:30 - 07:00	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT P/U. AIR S DRILG. FF REP. ON S DRILG. FR	O.D.  9"  ON PIPE FROM FISH.  & FINISHED  H NEW BIT  TRING.  ROM 2,323'  SWIVEL.  COM 2,325' 1	I.D.  6"  Report  OM BEEMA  TO 2,303'  TO 2,325  TO 2,345'  ETY MEET  SIBILITY 10	of Operation ANS YEARD.  2' IN 1 HR 20' IN 7 1/2	HANGE BITS  ROP. 2'  HRS ROP 2	FPH.  G BRO.30.27	1 113  114  Item Drilling Food Drilling Mud Cum. Mud Cogni Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other  Cum. Daily Total Well C Time Cat Rotating Drig.(non ro Csg. & Cmt. Evaluation Unschedule	Drilling Cotage work  Cost g Unit strings ests sess (ell Head)  Costs	Costs Daily Hrs.
Bit DC	WAITING C P/U. PIPE T.O.H. WIT L/D. FISH T.I.H WIT P/U. AIR S DRILG. FF REP. ON S DRILG. FR	O.D.  9"  ON PIPE FROM STATE OF THE STATE OF	I.D.  6"  Report  OM BEEMA  TO 2,303'  TO 2,325  TO 2,345'  ETY MEET  SIBILITY 10	of Operation ANS YEARD.  2' IN 1 HR 20' IN 7 1/2	HANGE BITS  ROP. 2'  HRS ROP 2	Total  S.  FPH.  2.66' FPH	1 113  114  Item Drilling Food Drilling Mud Cum. Mud Cogni Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other  Cum. Daily Total Well C Time Cat Rotating Drig.(non ro Csg. & Cmt. Evaluation Unschedule	Drilling Cotage work  Cost g Unit strings ests sess (ell Head)  Costs	Costs Daily Hrs.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

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Date:

11/23/2005 6:56:10 AM

Subject:

TWO FER 26-30

RICHARD,

DRILLING AHEAD AT 2,345' ROP 2.75' FPH.

I TALKED TO THE LOGGING PEOPLE. EST. TD FRIDAY. HOPE TO BE LOGGING FRIDAY.

THANKS FOR YOUR HELP, HAVE A SAFE DAY.

#### **DAILY DRILLING REPORT**

well name		VO FER 16-		NUZ 5	Location		C 26 - T 26S		
Date	11/24/05			NKLE	Present Op	peration		DRILLING	
Day No.	32	Formation		ASIC 1	Lithology		CLAS	TIC 1 ANAH	YDRITE
Depth ft	2,425'	Previous de		2,345	Proposed 1			6800	
Made	80	ft in	23.5	hrs	Drilling rate	e of	69'	ft. per hr.	
				Mud					
Weight	9.3	Chlorides	_101,000	Calcium	7,440	Solids	N/C	L.C.M.	NONE
VIS. Fun.	27	P.V.	N/C	Y.P.	N/C	Gels	N/C	PH	8
Water loss	N/C	Filter Cake	N/C	Alk,filt, pf/mf	0/.45	ECD	N/C	Nitrates	NONE
				Mud Gas				-	
Average	3	Maximum	5	Connection	NONE	Trip	NONE	Flare	NONE
			ditions las		Proc	luct & Quantity			
	CI 298 CF	ROSSIAN IN	HIBITOR S	START ADDIN	IG SALT TO	SATURATE BRIAN V	NATER.		
				В	it Record				
WOB	20 to 30	RPM	65		С	umulative Rotating Ho	ours	265	
Dull Bit No.		Size		Type		Ser. No.		Jets	•
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	7	Size	12 1/4	Type	BUTTON	Ser. No.		Jets	3 20/32
Depth in	2323	- Made	102	ft in	25.5	hrs.	Avg. ft./hr.	4.00	
•		nps	ВО	P Informa		•	rag and Co		ıfo
Mud Pump	No. 1	No. 2		epest Casing		String We			
Make		BRUSTER	Size	Depth	Min. Burst		_		Conditions
Liner	1350 cfm	Air Comp.	20"	207'			136	-	Spots Out
Stroke	1350 CIIII	All Comp.		Shoe test	2120	Pick Up	138	Depth	Over Pull
SPM			4			Slack Off	134	NO	
GPM			Equiv. Muc			Rotating Torque		NO	
			4	Last BOP CI		Neutral	60 MM		
Pump psi	300		Pressure T	ested 10	2,323	Pick Up		Takes W	eight trip In
Slow Pump F	cates							NO TRIP	
SPM									
Pump psi			Į			]		Ft. of Fill	
Size 7"	Drill Pipe Weight	Grade	Tube I.D.	<b>T.J. Type</b> 6 5/8 IF	T.J. I.D. 5"	T. J. O.D.	Length 2,311.00	Cumulat top of co	tive ft. from ollars
	Bottom Ho	ie Assembl						Cumu	lative feet
<b>Item</b> Bit	Bottom Ho Quantity	ole Assembl O.D.	· I.D.	Thread	Lbs./ft	Grade	Length	Cumu from b	
				Thread	<b>Lbs./ft</b>	Grade	1 .		it
Bit		O.D.	· I.D.	Thread		Grade	1	from b	it
Bit		O.D.	· I.D.	Thread		Grade	1	from b	it
Bit		O.D.	· I.D.	Thread		Grade	1	from b	it
Bit		O.D.	· I.D.	Thread		Grade	1	from b	it
Bit		O.D.	· I.D.	Thread		Grade	1	from b	it
Bit		O.D.	· I.D.	Thread		Grade	1	from b	it
Bit		O.D.	· I.D.	Thread			1 113	114	it
Bit		O.D.	I.D. 6"		100	Grade	113	114	it
Bit DC		O.D.	I.D. 6"	Thread	100		113	114	it
Bit DC	Quantity	O.D.	I.D.		100	Total	1 113 114 E Item Drilling Foot	from b	it
Bit DC Hours 07;00 - 06:30	Quantity  DRILG. FF	O.D. 9"	Repo	rt of Operat	100 Lions	Total  3.47' FPH.	1113 114 114 Item Drilling Foot	from b	sts
Bit DC Hours 07;00 - 06:30	Quantity  DRILG. FF	O.D. 9"	Repo	rt of Operat	100 Lions	Total	114 114 Litem Drilling Foot Drilling Days Water	from b	sts
Bit DC Hours 07;00 - 06:30	DRILG. FF	O.D. 9" ROM 2,345'	Repo	rt of Operat 30' IN 23. 5 H TRING TO GE	tions RS. ROP.	Total  3.47' FPH.  WN & CONNECTION	114 114 Item Drilling Foot Drilling Days Water Drilling Mud	from b	sts
Bit DC Hours 07;00 - 06:30	DRILG. FF	O.D.  9"  ROM 2,345'  WELL TO P	Repo	rt of Operat 30' IN 23. 5 H TRING TO GE	tions RS. ROP.	Total  3.47' FPH.	114  Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C	114 114 2111111111111111111111111111111	sts
Bit DC Hours 07;00 - 06:30	DRILG. FF	O.D.  9"  ROM 2,345'  WELL TO P	Repo	rt of Operat 30' IN 23. 5 H TRING TO GE	tions RS. ROP.	Total  3.47' FPH.  WN & CONNECTION	114  Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C Mud Logging	114 114 20 114 20 20 20 20 20 20 20 20 20 20 20 20 20 2	sts
Bit DC Hours 07;00 - 06:30	DRILG. FF BLOWING TOTAL AIR TO GET PS	O.D.  9"  ROM 2,345'  WELL TO P	Repo TO 2,425' 8 PULL AIR S	rt of Operat 30' IN 23. 5 H TRING TO GE W 860'. WILL	tions RS. ROP.	Total  3.47' FPH.  WN & CONNECTION	114  Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C	114 20 11	sts
Bit DC Hours 07;00 - 06:30	DRILG. FF BLOWING TOTAL AIR TO GET PS	O.D.  9"  WELL TO P  STRING IN	Repo TO 2,425' 8 PULL AIR S	rt of Operat 30' IN 23. 5 H TRING TO GE W 860'. WILL	tions RS. ROP.	Total  3.47' FPH.  WN & CONNECTION	114  Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C Mud Logging Cement all s	114 114 20 111 114 20 111 114 20 111 114 20 111 114 20 111 114 20	sts
Bit DC Hours 07;00 - 06:30	DRILG. FF BLOWING TOTAL AIR TO GET PS	O.D.  9"  WELL TO P  STRING IN	Repo TO 2,425' 8 PULL AIR S	rt of Operat 30' IN 23. 5 H TRING TO GE W 860'. WILL	tions RS. ROP.	Total  3.47' FPH.  WN & CONNECTION	114  Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C Mud Logging Cement all s Drill Stem To	114 114 20 rilling Cost age work Cost g Unit strings ests s	sts
Bit DC Hours 07;00 - 06:30	DRILG. FF BLOWING TOTAL AIR TO GET PS	O.D.  9"  WELL TO P  STRING IN	Repo TO 2,425' 8 PULL AIR S	rt of Operat 30' IN 23. 5 H TRING TO GE W 860'. WILL	tions RS. ROP.	Total  3.47' FPH.  WN & CONNECTION	114  Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud Cogning Cement all s Drill Stem To Electric Logs Bits, Supplie	114 114 114 114 114 114 114 114 114 114	sts
Bit DC Hours 07;00 - 06:30	DRILG. FF BLOWING TOTAL AIR TO GET PS	O.D.  9"  WELL TO P  STRING IN	Repo TO 2,425' 8 PULL AIR S	rt of Operat 30' IN 23. 5 H TRING TO GE W 860'. WILL	tions RS. ROP.	Total  3.47' FPH.  WN & CONNECTION	114  Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C Mud Logging Cement all s Drill Stem To	114 114 114 114 114 114 114 114 114 114	sts
Bit DC Hours 07;00 - 06:30	DRILG. FF BLOWING TOTAL AIF TO GET PS EST. SALT	O.D.  9"  ROM 2,345'  WELL TO P  R STRING IN SI DOWN.	Repo TO 2,425' & PULL AIR S I HOLE NO	rt of Operat 30' IN 23. 5 H TRING TO GE W 860'. WILL	tions RS. ROP.	Total  3.47' FPH.  WN & CONNECTION	114  Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud Cogning Cement all s Drill Stem To Electric Logs Bits, Supplie	114 114 114 114 114 114 114 114 114 114	sts
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Bit DC Hours 07;00 - 06:30	DRILG. FF BLOWING TOTAL AIF TO GET PS EST. SALT	O.D.  9"  ROM 2,345'  WELL TO P  R STRING IN SI DOWN.	Repo TO 2,425' & PULL AIR S I HOLE NO	rt of Operat 30' IN 23. 5 H TRING TO GE W 860'. WILL	tions RS. ROP.	Total  3.47' FPH.  WN & CONNECTION	1 113  114  Item  Drilling Foot  Drilling Mud  Cum. Mud Cogning  Cement all stem Tellectric Logs  Bits, Supplie  Casing & W  Other  Cum. Daily  Total Well C	114 114 114 114 114 114 114 114 114 114	sts Daily Hrs.
Bit DC Hours 07;00 - 06:30	DRILG. FF BLOWING TOTAL AIF TO GET PS EST. SALT	O.D.  9"  ROM 2,345'  WELL TO P  R STRING IN SI DOWN.	Repo TO 2,425' & PULL AIR S I HOLE NO	rt of Operat 30' IN 23. 5 H TRING TO GE W 860'. WILL	tions RS. ROP.	Total  3.47' FPH.  WN & CONNECTION	1 113  114  Item  Drilling Foot  Drilling Days  Water  Drilling Mud  Cum. Mud Coggin  Cement all s  Drill Stem To  Electric Logs  Bits, Supplie  Casing & W  Other  Cum. Daily  Total Well C  Time Cat  Rotating	114 114 114 114 114 114 114 114 114 114	sts Daily
Bit DC Hours 07;00 - 06:30	DRILG. FF BLOWING TOTAL AIF TO GET PS EST. SALT	O.D.  9"  ROM 2,345'  WELL TO P  R STRING IN SI DOWN.	Repo TO 2,425' & PULL AIR S I HOLE NO	rt of Operat 30' IN 23. 5 H TRING TO GE W 860'. WILL	tions RS. ROP.	Total  3.47' FPH.  WN & CONNECTION	1 113  114  Item  Drilling Foot  Drilling Days  Water  Drilling Mud  Cum. Mud Coggin  Cement all s  Drill Stem To  Electric Logs  Bits, Supplie  Casing & W  Other  Cum. Daily  Total Well C  Time Cat  Rotating  Drig. (non ro	114 114 114 114 114 114 114 114 114 114	sts Daily Hrs.
Bit DC Hours 07;00 - 06:30	DRILG. FR BLOWING TOTAL AIR TO GET PS EST. SALT	O.D.  9"  ROM 2,345'  WELL TO F  R STRING IN SI DOWN.  2 @ 19:00	Repo TO 2,425' 8 PULL AIR S HOLE NO	rt of Operat 30' IN 23. 5 H TRING TO GE W 860' . WILL ENING	tions RS. ROP. LAY DOW	Total  3.47' FPH.  WN & CONNECTION  /N 200 TO 300'	1 113  114  Item  Drilling Foot  Drilling Days  Water  Drilling Mud  Cum. Mud Coggin  Cement all s  Drill Stem To  Electric Logs  Bits, Supplie  Casing & W  Other  Cum. Daily  Total Well C  Time Cat  Rotating  Drig. (non roc  Csg. & Cmt.	114 114 114 114 114 114 114 114 114 114	sts Daily Hrs.
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Date:

11/24/2005 7:15:32 AM

Subject:

TWO FER 26-30

RICHARD,

DRILLING AHEAD, @ 2,425' WILL START ADDING SALT. I WILL CALL YOU IF WE HAVE A PROBLEM.

THANKS FOR YOU INFORMATION YESTERDAY. HAVE A GOOD THANKSGIVING.

# INTREPID OIL & GAS LLC DAILY DRILLING REPORT

43-019-31452

Well Name	TV	VO FER 16-	30		Location		SEC 26 - 7	Γ26S - R 20	E
Date	11/25/05	Rig		KLE	Present Op	eration		RILLING AH	
Day No.	33	Formation		ALT	Lithology		S	ALT2 TOP 2	2,443
Depth ft	2,565'	Previous De		2,425	Proposed T			6800	
Made	140'	ft in	17.5	hrs	Drilling rate	of	8.00	ft. per hr.	
				Mud					
Weight	10.1	Chlorides	190,000	Calcium	4,680	Solids	N/C	L.C.M.	NOME
VIS. Fun.	28	P.V.	N/C	Y.P.	N/C	Gels	N/C	. PH	
Water loss	N/C	Filter Cake	N/C	KCL %	N/C	ECD	NONE	Nitrates	NONE
	_			Mud Gas					
Average	3	Maximum	5-Jan	Connection		Trip	NONE	. Flare	NONE
	TOD OF S		litions last			& Quantity	/ED		
		ALT 2,443' ( BAGS SAL			AL CI COR				
	WINED ZI	DAGS SAL	.1, 01,1000		ecord	KOSION IN	HIBITOR		
WOB	20	RPM	G E	DIŁ K		aliva Datati		000 5	
Dull Bit No.	20	- KPIVI Size	65	Tuno	Cumui	ative Rotatir	ig Hours	282.5	_
Depth Out		- Made		. Type ft in		Ser. No. hrs. Ft/hr	· · · · · · · · · · · · · · · · · · ·	- Jets Dull Gr.	
Present Bit #	7	- Size	12 1/4	. Type	BUTTON	Ser. No.		- Jets	3 20/32
Depth in	2323	Made	210	ft in	43	hrs.	Avg. ft./hr.	- 4.88	3 20/32
		mps	BOF	•		•	le Drag an	A	on Info
Mud Pump	No. 1	No. 2	_	pest Casing			g Weight	•	
Make	EMSCO	BRUSTER		Depth	Min. Burst		79,000		Conditions Spots Out
Liner	1350 cfm	Air Comp.	20"	207'	2120	Pick Up	79,000	Depth	Over Pull
Stroke	1000 01111	7 til Oomp.		Shoe test	2120	Slack Off	79,00	Debili	OverPull
SPM	***		Equiv. Muc			Rotating T			<del> </del>
GPM				Last BOP C	heck	Neutral	350		
Pump psi	300		Pressure T		2,323	Pick Up		Takes M	/eight trip In
Slow Pump I			BOP Drill 8		NOV/11/05		<del></del>	NONE	reignt trip in
SPM			Drill String		110 171 1700	Last Date	BHA	NONE	
Pump psi		7	Annular Vo		600	Inspected	?.	Ft. of Fill	<u> </u>
	Dri	II String a	4					J	
	Drill Pipe	_				,		Cumula	tive ft. from
Size	Weight	Grade	Tube I D	T.J. Type	T.J. I.D.	T. J. O.D.	Longth		
7"	l	I Grade	Tube I.D.	6 5/8 IF	1.3. 1.D.   5"	1. J. O.D.	. •	top of co	ollars
	<del>                                     </del>			0 3/0 11			2,451.00		
	<del>                                     </del>						<u> </u>		
					I .	1			
	Bottom Ho	le Assembl	V					Cumu	lative foot
ltem		le Assembly		Thread	Lbs./ft	Grade	Lenath		lative feet
Item Bit	Bottom Ho Quantity	le Assembly O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	Cumu from b	
				Thread	Lbs./ft	Grade	1 1		
Bit		O.D.	I.D.	Thread		Grade	Length 1 113		
Bit		O.D.	I.D.	Thread		Grade	1 1		
Bit		O.D.	I.D.	Thread		Grade	1 1		
Bit		O.D.	I.D.	Thread		Grade	1 1		
Bit		O.D.	I.D.	Thread		Grade	1 1		
Bit		O.D.	I.D.	Thread		Grade	1 1		
Bit		O.D.	I.D.	Thread			1 113		
Bit		O.D.	I.D.		100	Grade	1113	from b	oit
Bit DC		O.D.	I.D.	Thread	100		1113		oit
Bit DC Hours	Quantity	O.D.	I.D. 6"	Operation	100		1 113 114 E	from b	oit
Bit DC	Quantity	O.D.	I.D. 6"	Operation	100		113 114 Litem Drilling Foo	from b	ests
Bit DC Hours 07:00 - :08:00	RUN AIR S	O.D.  9"  R TRING BAC	I.D. 6" Report of	Operation	100	Total	1113 114 Item Drilling Foo	from b	ests
Bit DC Hours	RUN AIR S	O.D. 9" RETRING BAC 2,425' TO 2,4	I.D. 6" Report of K. NOT LIF	Operation TING NOTH	100	Total	1113 114 114 Item Drilling Foo Drilling Day Water	from b	ests
Bit DC Hours 07:00 - :08:00	RUN AIR S	O.D.  9"  R TRING BAC	I.D. 6" Report of K. NOT LIF	Operation TING NOTH	100	Total	1113 113 114 Item Drilling Foo Drilling Day Water Drilling Muc	from b	ests
Hours 07:00 - :08:00	RUN AIR S DRILG. F/2 DRILLING	O.D. 9" RETRING BAC 2,425' TO 2,4 BREAK AT 2	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL	Operation TING NOTH TO 2,457' 1 T 19' HIGH	100 ISS IING 14' AT 4 MIN TO PROGN	Total	1113 113 114 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud (	from b	ests
Bit DC Hours 07:00 - :08:00	RUN AIR S DRILG. F/2 DRILLING	O.D. 9" RETRING BAC 2,425' TO 2,4 BREAK AT 2	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL	Operation TING NOTH TO 2,457' 1 T 19' HIGH	100 ISS IING 14' AT 4 MIN TO PROGN	Total	1113 113 114 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin	Drilling Co tage work Cost	ests
Hours 07:00 - :08:00 08:00 - 14:30	RUN AIR S DRILG. F/2 DRILLING	O.D.  9"  RETRING BAC 2,425' TO 2,4 BREAK AT 2	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL	Operation TING NOTH TO 2,457' 1 T 19' HIGH	ISSUING  14' AT 4 MIN TO PROGNO  2,423'	Total I. PER / FO	1113 113 114 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all	prilling Co tage work Cost g Unit strings	ests
Hours 07:00 - :08:00	RUN AIR S DRILG. F/2 DRILLING PULLED U	O.D.  9"  RETRING BAC  2,425' TO 2,4  BREAK AT 2  P 20 ABOVE	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL	Operation TING NOTH TO 2,457' 1 T 19' HIGH	ISSUING  14' AT 4 MIN TO PROGNO  2,423'	Total I. PER / FO	1 113 114 E Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T	prilling Co tage work Cost g Unit strings ests	ests
Hours 07:00 - :08:00 08:00 - 14:30	RUN AIR S DRILG. F/2 DRILLING	O.D.  9"  RETRING BAC  2,425' TO 2,4  BREAK AT 2  P 20 ABOVE	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL	Operation TING NOTH TO 2,457' 1 T 19' HIGH	ISSUING  14' AT 4 MIN TO PROGNO  2,423'	Total I. PER / FO	1 113 114 E Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Com. Mud Loggin Cement all Drill Stem T Electric Log	prilling Co tage work Cost og Unit strings ests	ests
Hours 07:00 - :08:00 08:00 - 14:30 14:30 - 15:00	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF	O.D.  9"  RETRING BAC  2,425' TO 2,4  BREAK AT 2  P 20 ABOVE  ING MIXING  PM. SALT.	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE	ING I4' AT 4 MIN TO PROGNO 2,423' MWT 10 PF	Total I. PER / FOOSIS. PG. WITH	1 113 114 E Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Com. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	Drilling Co tage work Cost og Unit strings ests gs es	ests
Hours 07:00 - :08:00 08:00 - 14:30	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF	O.D.  9"  RETRING BAC  2,425' TO 2,4  BREAK AT 2  P 20 ABOVE  ING MIXING  PM. SALT.	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE	ING I4' AT 4 MIN TO PROGNO 2,423' MWT 10 PF	Total I. PER / FOOSIS. PG. WITH	1 113 114 E Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Com. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	Drilling Co tage work Cost og Unit strings ests gs es	ests
Hours 07:00 - :08:00 08:00 - 14:30 14:30 - 15:00	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF	O.D.  9"  RETRING BAC  2,425' TO 2,4  BREAK AT 2  P 20 ABOVE  ING MIXING  PM. SALT.	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE	ING I4' AT 4 MIN TO PROGNO 2,423' MWT 10 PF	Total I. PER / FOOSIS. PG. WITH	1 113 114 E Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Com. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	Drilling Co tage work Cost og Unit strings ests gs es	ests
Hours 07:00 - :08:00 08:00 - 14:30 14:30 - 15:00	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF	O.D.  9"  RETRING BAC  2,425' TO 2,4  BREAK AT 2  P 20 ABOVE  ING MIXING  PM. SALT.	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE	ING I4' AT 4 MIN TO PROGNO 2,423' MWT 10 PF	Total I. PER / FOOSIS. PG. WITH	1 113 113 114 E Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	Drilling Co tage work Cost og Unit strings ests gs es	ests
Hours 07:00 - :08:00 08:00 - 14:30 14:30 - 15:00	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF	O.D.  9"  RETRING BAC  2,425' TO 2,4  BREAK AT 2  P 20 ABOVE  ING MIXING  PM. SALT.	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE	ING I4' AT 4 MIN TO PROGNO 2,423' MWT 10 PF	Total I. PER / FOOSIS. PG. WITH	1 113 113 114 E Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	prilling Co tage work Cost g Unit strings ests js es /ell Head	ests
Hours 07:00 - :08:00 08:00 - 14:30 14:30 - 15:00	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF	O.D.  9"  RETRING BAC  2,425' TO 2,4  BREAK AT 2  P 20 ABOVE  ING MIXING  PM. SALT.	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE	ING I4' AT 4 MIN TO PROGNO 2,423' MWT 10 PF	Total I. PER / FOOSIS. PG. WITH	1 113 113 114  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	prilling Co tage work Cost g Unit strings ests js es /ell Head	ests
Hours 07:00 - :08:00 08:00 - 14:30 14:30 - 15:00	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF	O.D.  9"  RETRING BAC  2,425' TO 2,4  BREAK AT 2  P 20 ABOVE  ING MIXING  PM. SALT.	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE	ING I4' AT 4 MIN TO PROGNO 2,423' MWT 10 PF	Total I. PER / FOOSIS. PG. WITH	1 113 113 114 Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well	from b	ests Daily
Hours 07:00 - :08:00 08:00 - 14:30 14:30 - 15:00	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF	O.D.  9"  RETRING BAC  2,425' TO 2,4  BREAK AT 2  P 20 ABOVE  ING MIXING  PM. SALT.	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE	ING I4' AT 4 MIN TO PROGNO 2,423' MWT 10 PF	Total I. PER / FOOSIS. PG. WITH	1 113 113 114 E Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coment all Drill Stem T Electric Log Bits, Suppli Casing & WO Other Cum. Daily Total Well Time Car	from b	ests Daily Hrs.
Hours 07:00 - :08:00 08:00 - 14:30 14:30 - 15:00	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF	O.D.  9"  RETRING BAC  2,425' TO 2,4  BREAK AT 2  P 20 ABOVE  ING MIXING  PM. SALT.	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE	ING I4' AT 4 MIN TO PROGNO 2,423' MWT 10 PF	Total I. PER / FOOSIS. PG. WITH	1 113 113 114	prilling Co tage work Cost g Unit strings ests gs es /ell Head	ests Daily
Hours 07:00 - :08:00 08:00 - 14:30 14:30 - 15:00	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF	O.D.  9"  RETRING BAC  2,425' TO 2,4  BREAK AT 2  P 20 ABOVE  ING MIXING  PM. SALT.	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE	ING I4' AT 4 MIN TO PROGNO 2,423' MWT 10 PF	Total I. PER / FOOSIS. PG. WITH	1 113 113 114	from b	ests Daily Hrs.
Hours 07:00 - :08:00 08:00 - 14:30 14:30 - 15:00	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF	O.D.  9"  RETRING BAC 2,425' TO 2,4 BREAK AT 2 P 20 ABOVE ING MIXING PM. SALT.  ROM 24,57'	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE	ISSING  14' AT 4 MINTO PROGNI 2,423'  MWT 10 PF	Total  I. PER / FOOSIS.  PG. WITH  9.81' FPF	114  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coment all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Car Rotating Drlg.(non ro	from b	ests Daily Hrs.
Hours 07:00 - :08:00 08:00 - 14:30 14:30 - 15:00	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF DRILG . FI	O.D.  9"  RETRING BAC 2,425' TO 2,4 BREAK AT 2 P 20 ABOVE ING MIXING PM. SALT.  ROM 24,57'  ENTS: SAF	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO TO 2,565'	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE 108' IN 11	ISSING  14' AT 4 MINTO PROGNI 2,423'  MWT 10 PF  HRS. ROP.	Total  I. PER / FOOSIS.  PG. WITH  9.81' FPH	114  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Car Rotating Drlg.(non ro	from b	ests Daily Hrs.
Hours 07:00 - :08:00 08:00 - 14:30 14:30 - 15:00	RUN AIR S DRILG. F/2 DRILLING PULLED U CIRCULAT 189,000 PF DRILG . FI	O.D.  9"  RETRING BAC 2,425' TO 2,4 BREAK AT 2 P 20 ABOVE ING MIXING PM. SALT.  ROM 24,57'	I.D. 6" Report of K. NOT LIF 443' DRILG 2,443' SAL DRILLING SALT TO TO 2,565' ETY MEETI 9%, - VISI	Operation TING NOTH TO 2,457' 1 T 19' HIGH BREAK TO SATURATE 108' IN 11	ING  IA' AT 4 MINTO PROGNI  2,423'  MWT 10 PF  HRS. ROP.	Total  I. PER / FOOSIS.  PG. WITH  9.81' FPH	1 113 113 114  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Car Rotating Drlg.(non ro Csg. & Cmt Evaluation Unschedule	from b	ests Daily Hrs.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>, <dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>, <bartkettle@utah.gov>

Date:

11/25/2005 7:07:11 AM

Subject:

TOW FER 26-30

RICHARD,

DRILLING AHEAD @2,565. ROP 12' FPH. GETTING NGOOD FORMATION SALT OVER **SHAKER** 

NEED TO KNOW SALT COST FOR 81,000 LBS. WE MIXED 27 BAGS OF SALT 3000 LBS. PER SACK

THANKS FOR YOUR HELP. HAVE A SAFE DAY.

#### INTREPID OIL + GAS LLC

DAILY DRILLING REPORT 43-019-314em

		26				KLPOKI	13-019-	-3145	<u> </u>
Well Name		VO FER 46-			Location	SI	EC 26 - T 269	S - R 20E	
Date		Rig		NKLE	Present Ope	ration		D.H. TWISTE	
Day No. Depth ft	2,688	Formation Previous De		STIC 2	Lithology	,	C		2,658'
Made	123'	ft in	14	2,565' hrs	Proposed To Drilling rate of		9,78	6800 ft. per hr.	
				Mud	Diming rate (	,	3,70	ir. per m.	
Weight	10	Chlorides	190	Calcium	4,680	Solids	N/C	L.C.M.	NONE
VIS. Fun.	28	P.V.	N/C	Y.P.	N/C	Gels	N/C	PH	8
Water loss	n/c	Filter Cake	N/C	Pf/ Mf	0/ .28	ECD	NONE	Nitrates	NONE
Average	3	Maximum	5	Mud Gas Connection	NONE	Trin	NONE	Flore	NONE
Avelage			itions last			Trip uct & Quantity	NONE	Flare	NONE
	10 GAL. C	1 298 CROSI							
		<b></b>			Bit Record				
WOB Dull Bit No.	30,00 1/7/1900	RPM	65	. T		ımulative Rotating Hou	urs	296.5	3/20/1932
Duit Bit No. Depth Out	2,688	Size Made	121/4" 365	Type ft in	BUTTON 57	_ Ser. No. hrs. Ft/hr	6.24'	. Jets Dull Gr.	TMICTED OFF
Present Bit #		Size	12 1/4"	. Type	BUTTON	Ser. No.	0.24	. Jets	TWISTED OFF 3 20/32
Depth in	2,323	Made	365	ft in	14	hrs.	6.24	. 0013	0 20/02
	Pui	mps	ВО	P Inform	ation	Hole D	Orag and C	ondition	Info.
Mud Pump	No. 1	No. 2		epest Casin	~	String We	_		Conditions
Make	EMSCO	BRUSTER	Size	Depth	Min. Burst	Neutral	80,000		Spots Out
Liner Stroke	1350 CFW	AIR COMP.		Shoe test	2120	Pick Up Slack Off	68,000	Depth	Over Pull
SPM			Equiv. Mud			Rotating Torque			NONE
GPM				Last BOP C	heck	Neutral	350		
Pump psi	300		Pressure T			Pick Up		Takes V	Veight trip In
Slow Pump	Rates		BOP Drill 8			Slack Off			
SPM Pump psi			Drill String Annular Vo		•	Last Date BHA	2	F4 -4 F:11	
Fullip psi		Drill Str			le Assemb	Inspected Iy Configuration	<u> </u>	Ft. of Fill	
	Drill Pipe		ing una L		ic Assemb	iy Comiguration		Cumul	ative ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of c	
7"					6"	1	2,574.00	2,574	onaro
							7		
	Rottom Ho	le Assembly						<u> </u>	uladi fo -d
Item		le Assembly O.D.	/ / I.D.	Thread	Lbs./ft	Grade	Length		ulative feet
Bit	Bottom Ho Quantity	O.D.	,	Thread	Lbs./ft	Grade	Length	Cum from t	
			,	Thread	<b>Lbs./ft</b>	Grade	i		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread			1		
Bit		O.D.	I.D.		100	Grade	1 113	from k	oit
Bit		O.D.	I.D.	Thread	100		1 113		osts
Bit DC	Quantity	O.D.	I.D.	rt of Opera	100	Total	1 113 113 Item	from b	oit
Bit DC	Quantity  DRILG. FR	O.D. 7"	Repo	rt of Opera	100	Total	1 113 113 Item Drilling Food	from b	osts
Bit DC Hours	Quantity  DRILG. FR	O.D. 7"	Repo	rt of Opera	100	Total	1 113 113 Item Drilling Food Drilling Day Water	from k	osts
Hours 07;00 - 09:30	DRILG. FR	O.D. 7"  ROM 2,265' T	Repo	rt of Opera 28' IN 2.5 H	100 ations	Total	1 113 113 Item Drilling Food Drilling Day Water Drilling Muder	from k	osts
Bit DC	DRILG. FR	O.D. 7"  ROM 2,265' T	Report 0 2,593' 0 2,593' 0 2,642 4	rt of Opera 28' IN 2.5 H	100 ations	Total	1 113 113 Item Drilling Food Drilling Day Water	from to the following Contage work	osts
Hours 07;00 - 09:30 09:30 - 10:30	DRILG. FR	O.D.  7"  SOM 2,265' T  SWIVEL. (6)  ROM. 2,593 T  NOT CLEA	Report O 2,593' O 2,593' O 2,642 4' NING	rt of Opera 28' IN 2.5 H 9" IN 3.5 H	100 ations	Total	Item Drilling Food Drilling Muder Drilling Muder Drilling Muder Drilling Muder Cum. Mud (Mud Logging Cement all	from to the following control of the following	osts
Hours 07;00 - 09:30	DRILG. FR	O.D.  7"  SOM 2,265' T  SWIVEL. (6)  ROM. 2,593 T  NOT CLEA	Report O 2,593' O 2,593' O 2,642 4' NING	rt of Opera 28' IN 2.5 H 9" IN 3.5 H	100 ations	Total	Item Drilling Foo Drilling Mud Cum. Mud Coggin Cement all	prilling Cotage work Cost ag Unit strings rests	osts
Hours 07;00 - 09:30 09:30 - 10:30 10:30 - 14:00	DRILG. FR	O.D.  7"  SOM 2,265' TO SWIVEL. (COM. 2,593 T	I.D. 5" Report 0 2,593' 0 2,593' 0 2,642 4' NING SI 300 PSI.	rt of Opera 28' IN 2.5 H	ations RS ROP. 11	Total 1.2' FPH. 14' ' FPH.	Item Drilling Foo Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log	prilling Cotage work Cost ag Unit strings rests	osts
Hours 07;00 - 09:30 09:30 - 10:30 10:30 - 14:00	DRILG. FR. DRILG. FR. HOLE WAS	O.D.  7"  SOM 2,265' TO SWIVEL. (COM. 2,593 T	I.D. 5" Report 0 2,593' 0 2,593' 0 2,642 4' NING SI 300 PSI.	rt of Opera 28' IN 2.5 H	100 ations	Total 1.2' FPH. 14' ' FPH.	Item Drilling Foo Drilling Mud Cum. Mud Coggin Cement all: Drill Stem T Electric Log Bits, Supplie	prilling Cotage work Cost ag Unit strings rests as es	osts
Hours 07;00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 15:00	DRILG. FR. HOLE WAS ADDED 25	O.D.  7"  N SWIVEL. ( ROM. 2,593 T S NOT CLEA  'AIR PIPE P  ROM. 2,642' S. 2 HRS.	I.D. 5"  Report O 2,593' D 2,593' TO 2,642 4' NING SI 300 PSI. TO 2,658' ROP. 8' F	rt of Opera 28' IN 2.5 H 9" IN 3.5 H ACT LIKE FO	ations RS ROP. 11	Total  1.2' FPH.  14' ' FPH.	Item Drilling Food Drilling Mud Cum. Mud Coggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & W	prilling Cotage work Cost ag Unit strings rests as es	osts
Hours 07;00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 15:00	DRILG. FR. HOLE WAS ADDED 25 DRILG. FR. 16' IN 2 HR	O.D.  7"  N SWIVEL. ( ROM. 2,593 T N NOT CLEA  AIR PIPE P ROM. 2,642' S. 2 HRS.	I.D. 5" Report O 2,593' O 2,642 4' NING SI 300 PSI. TO 2,658' ROP. 8' F	28' IN 2.5 H 9" IN 3.5 H ACT LIKE FOR	ations RS ROP. 11 HRS . ROP.	Total  1.2' FPH.  14' ' FPH.  CHANGE  OFF. MADE 30' IN 6 1	Item Drilling Foo Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	prilling Cotage work Cost ag Unit strings rests as es	osts
Hours 07;00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 15:00	DRILG. FR. HOLE WAS ADDED 25 DRILG. FR. 16' IN 2 HR	O.D.  7"  N SWIVEL. ( ROM. 2,593 T N NOT CLEA  AIR PIPE P ROM. 2,642' S. 2 HRS.	I.D. 5" Report O 2,593' O 2,642 4' NING SI 300 PSI. TO 2,658' ROP. 8' F	28' IN 2.5 H 9" IN 3.5 H ACT LIKE FOR	ations RS ROP. 11	Total  1.2' FPH.  14' ' FPH.  CHANGE  OFF. MADE 30' IN 6 1	Item Drilling Foo Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W HRS. Other	tage work Cost ag Unit strings rests as es //ell Head	osts
Hours 07;00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 15:00 15:00 - 17:00	DRILG. FR REPAIR OF DRILG. FR HOLE WAS ADDED 25 DRILG. FR 16' IN 2 HR DRILG. FR ROP. 5' FR	O.D.  7"  ROM 2,265' T  N SWIVEL. ( ROM. 2,593 T  S NOT CLEA  'AIR PIPE P  ROM. 2,642' S. 2 HRS.  ROM 2,658' PH. ROP.	I.D. 5" Report O 2,593' O 2,593' O 2,642 4' NING SI 300 PSI. TO 2,658' ROP. 8' F	28' IN 2.5 H 9" IN 3.5 H ACT LIKE FOR	ations RS ROP. 11 HRS . ROP.	Total  1.2' FPH.  14' ' FPH.  CHANGE  OFF. MADE 30' IN 6 1	Item Drilling Foo Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W HRS. Other Cum. Daily	tage work Cost ag Unit strings rests as es Vell Head	osts
Hours 07;00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 15:00	DRILG. FR REPAIR OF DRILG. FR HOLE WAS ADDED 25 DRILG. FR 16' IN 2 HR DRILG. FR ROP. 5' FR	O.D.  7"  ROM 2,265' T  N SWIVEL. ( ROM. 2,593 T  S NOT CLEA  'AIR PIPE P  ROM. 2,642' S. 2 HRS.  ROM 2,658' PH. ROP.	I.D. 5" Report O 2,593' O 2,593' O 2,642 4' NING SI 300 PSI. TO 2,658' ROP. 8' F	28' IN 2.5 H 9" IN 3.5 H ACT LIKE FOR	ations RS ROP. 11 HRS . ROP.	Total  1.2' FPH.  14' ' FPH.  CHANGE  OFF. MADE 30' IN 6 1	Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W HRS. Other Cum. Daily	tage work Cost ag Unit strings rests as es /ell Head	osts Daily
Hours 07;00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 15:00 15:00 - 17:00	DRILG. FR REPAIR OF DRILG. FR HOLE WAS ADDED 25' DRILG. FR ROP. 5' FR	O.D.  7"  ROM 2,265' T  N SWIVEL. ( ROM. 2,593 T  S NOT CLEA  ' AIR PIPE P  ROM. 2,642' IS. 2 HRS.  ROM. 2,658' PH. ROP.  D' AIR STRIN	I.D. 5" Report 0 2,593' 0 2,593' 0 2,593' TO 2,642 4' NING SI 300 PSI. TO 2,658' ROP. 8' F	rt of Opera 28' IN 2.5 H 9" IN 3.5 H ACT LIKE FO PH. OST 12,000 WIST OFF 2	ations RS ROP. 11  HRS . ROP. 12  ORMATION (  ) TWISTED C  3 MIN. PER	Total  1.2' FPH.  14' ' FPH.  CHANGE  DFF. MADE 30' IN 6 I	Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W HRS. Other Cum. Daily Total Well Time Ca	tage work Cost ag Unit strings rests as es /ell Head	osts Daily  Hrs.
Hours 07;00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 15:00 15:00 - 17:00 01;00 - 02:00	DRILG. FR REPAIR OF DRILG. FR HOLE WAS ADDED 25' DRILG. FR ROP. 5' FR	O.D.  7"  ROM 2,265' T  N SWIVEL. ( ROM. 2,593 T  S NOT CLEA  ' AIR PIPE P  ROM. 2,642' IS. 2 HRS.  ROM. 2,658' PH. ROP.  D' AIR STRIN	I.D. 5" Report 0 2,593' 0 2,593' 0 2,593' TO 2,642 4' NING SI 300 PSI. TO 2,658' ROP. 8' F	rt of Opera 28' IN 2.5 H 9" IN 3.5 H ACT LIKE FO PH. OST 12,000 WIST OFF 2	ations RS ROP. 11  HRS . ROP. 12  ORMATION (  ) TWISTED C  3 MIN. PER	Total  1.2' FPH.  14' ' FPH.  CHANGE  DFF. MADE 30' IN 6 I	Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W HRS. Other Cum. Daily Total Well Time Cat Rotating Drlg.(non re	from to the following the foll	osts Daily
Hours 07;00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 15:00 15:00 - 17:00 01;00 - 02:00	DRILG. FR REPAIR OF DRILG. FR HOLE WAS ADDED 25' DRILG. FR 16' IN 2 HR DRILG. FR ROP. 5' FF	O.D.  7"  ROM 2,265' T  N SWIVEL. ( ROM. 2,593 T  S NOT CLEA  'AIR PIPE P  ROM. 2,642' S. 2 HRS.  ROM 2,658' PH. ROP. 1	I.D. 5" Report 0 2,593' 0 2,593' 0 2,593' TO 2,642 4' NING SI 300 PSI. TO 2,688' I BEFORE TO	28' IN 2.5 H 9" IN 3.5 H ACT LIKE FOR PH. LOST 12,000 WIST OFF 2	Ations RS ROP. 11  HRS . ROP. 12  ORMATION (  O TWISTED (  3 MIN. PER  520'LEFT IE	Total  1.2' FPH.  14' ' FPH.  CHANGE  OFF. MADE 30' IN 6 I FOOT.	Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W HRS. Other Cum. Daily Total Well Time Car Rotating Drlg.(non rocsg. & Cmt	from to the following the foll	osts Daily  Hrs.
Hours 07;00 - 09:30 09:30 - 10:30 10:30 - 14:00 14:00 - 15:00 15:00 - 17:00 01;00 - 02:00	DRILG. FR REPAIR OF DRILG. FR HOLE WAS ADDED 25' DRILG. FR 16' IN 2 HR DRILG. FR ROP. 5' FF	O.D.  7"  ROM 2,265' T  N SWIVEL. ( ROM. 2,593 T  S NOT CLEA  'AIR PIPE P  ROM. 2,642' S. 2 HRS.  ROM 2,658' PH. ROP. 1	I.D. 5" Report 0 2,593' 0 2,593' 0 2,593' TO 2,642 4' NING SI 300 PSI. TO 2,688' I BEFORE TO	28' IN 2.5 H 9" IN 3.5 H ACT LIKE FOR PH. LOST 12,000 WIST OFF 2	Ations RS ROP. 11  HRS . ROP. 12  ORMATION (  O TWISTED (  3 MIN. PER  520'LEFT IE	Total  1.2' FPH.  14' ' FPH.  CHANGE  DFF. MADE 30' IN 6 I	Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W HRS. Other Cum. Daily Total Well Time Cat Rotating Drlg.(non ro	from to the following control of the following	Dosts Daily  Hrs.
Hours 07;00 - 09:30 09:30 - 10:30 10:30 - 14:00 15:00 - 17:00 17:00 - 01:00	DRILG. FR REPAIR OF DRILG. FR HOLE WAS ADDED 25 DRILG. FR 16' IN 2 HR DRILG. FR ROP. 5' FF	O.D.  7"  ROM 2,265' T  N SWIVEL. ( ROM. 2,593 T  S NOT CLEA  'AIR PIPE P  ROM. 2,642' S. 2 HRS.  ROM 2,658' PH. ROP. 1	I.D. 5" Repo 0 2,593' 0 2,593' 0 2,642 4 NING SI 300 PSI. TO 2,688' I BEFORE TO IG. DP & DC. E	28' IN 2.5 H 9" IN 3.5 H ACT LIKE FOR PH. LOST 12,000 WIST OFF 2	Ations RS ROP. 11  HRS . ROP. 12  ORMATION (  O TWISTED (  3 MIN. PER  520'LEFT IE	Total  1.2' FPH.  14' ' FPH.  CHANGE  OFF. MADE 30' IN 6 I FOOT.	Item Drilling Food Drilling Day Water Drilling Mud Coum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & Water Cum. Daily Total Well Time Car Rotating Drig. (non rocesse. & Cmt Evaluation Unschedule	from to the following control of the following	osts Daily  Hrs.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>, <dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>,

<bartkettle@utah.gov>

Date:

11/26/2005 5:49:11 AM

Subject:

TWO FER 26 - 30

RICHARD,

OPPERATIONS @ 5:45 TRIP OUT. TWISTED OFF ROP AT TIME OF TWIST OFF 23 MIN PF.

TD. AT TIME OF TWIST OFF 2,688'

WILL SENR PIX OF FISH WHEN WE GET OUT OF HOLE.

THANKS FOR YOUR HELP. HAVE A SAFE DAY.

#### INTREPID OIL & GAS LLC DAILY DRILLING REPORT

43-019-31452 26-30 TWO FER <del>16-3</del>0 **Well Name** SEC 26 - T 26S - R 20E Location Date 11/27/05 Rig HENKLE **Present Operation** P/U. AIR STRING Day No. 35 Formation CLASTIC 2 Lithology **CLASTIC 2** Depth ft 2,688 Previous Depth 2,688 Proposed TD 6800 Made NONE ft in hrs Drilling rate of ft. per hr. Mud Weight 190,000 10 Chlorides Calcium 4,680 Solids N/C L.C.M. NONE VIS. Fun. P.V. 28 N/C Y.P. N/C Gels N/C PH 8 Water loss N/C N/C Filter Cake Pf Mf 0/.28 **ECD** N/C **Nitrates** NONE **Mud Gas** NONE NONE Average Maximum Connection NONE Trip NONE Flare NONE Mud additions last 24 hours **Product & Quantity Bit Record** WOB **RPM Cumulative Rotating Hours** 296.5 Dull Bit No. 7 Size 12 1/4" Type BUTTON Ser. No. Jets 3 2/32 Depth Out 2,688 Made 365 ft in 57 6.24 hrs. Ft/hr Dull Gr. GOOD Present Bit # 7 RR Size 12 1/4" BUTTON SAME Type Ser. No. Jets 20/32 3 Depth in 2.688 Made ft in hrs. Avg. ft./hr. Pumps **BOP** Information Hole Drag and Condition Info. **Deepest Casing Set Mud Pump** No. 1 No. 2 String Weight **Trip Conditions** EMSCO | BRUSTER Make Size Depth Min. Burst Neutral 80,000 Tight Spots Out Liner 1350 CFM AIR COMP 2120 Pick Up 150,00 Depth Over Pull Stroke Shoe test Slack Off 50,000 2,688 150,000 SPM Equiv. Mud Weight **Rotating Torque GPM Date Last BOP Check** Neutral NONE NONE Pump psi Pressure Tested To Pick Up **FISHING** Takes Weight trip In Slow Pump F **BOP Drill & Function** Slack Off NONE Drill String Vol. Bbls. SPM #VALUE! Last Date BHA Pump psi Annular Vol. Bbls. #VALUE! Inspected Ft. of Fill **Drill String and Bottom Hole Assembly Configuration Drill Pipe** Cumulative ft. from Size Weight Grade Tube I.D. T.J. Type T.J. I.D. T. J. O.D. top of collars Length 7' 6" 2,574.00 2,574 2,574 2,574 **Bottom Hole Assembly** Cumulative feet Item Quantity O.D. I.D. Thread Lbs./ft Grade Length from bit Bit 1 DC 7" 5" 100 113 Total 589.02 **Drilling Costs** Report of Operations Hours Daily Item 07:00 - 08:00 L/D. FISH . 306' FISH IN THE HOLE Drilling Footage **Drilling Daywork** 08:00 - 12:00 WAITING ON FISHING TOOLS Water Drilling Mud 12:00 - 13:00 P/U. FISHING TOOLS. GOING IN HOLE WITH A 6.095 GRAPEL Cum. Mud Cost Mud Logging Unit 13:00 - 16:00 T.I.H. W/ FISHING TOOLS Cement all strings **Drill Stem Tests** 16:30 16:30 FISHING. TIGHED ON TO FISH Electric Logs Bits, Supplies 16:30 - 18:30 WORKING STUCK FISH. LOOSE Casing & Well Head 18:30 - 24:00 T.O.H. WITH FISH. "HIGH GUSTING WIND TO 60 MPH" Other 24:00 - 02:00 |L/D FISH. & T.O..H. TO CK. BIT IN GOOD SHAPE. **Cum. Daily Costs Total Well Costs** Time Category )2:00 - 07:00 T.I.H. WITH BIT, NOW PU AIR STRING Hrs. Rotating 296.5 Drlg.(non rotating) Csg. & Cmt. NO ACIDENTS: - SAFETY MEETING: - WEATHER: 28 DEG FEELS Evaluation LIKE 16 DEG. HUMIDITY 30% - BRO. 29.76 WIND NOW 25 MPH WN Unscheduled Events

Tool Pusher JIM HALE

**Drilling Supervisor** 

**CLINT RHODD** 

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

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<bartkettle@utah.gov>

Date: Subject:

11/27/2005 3:22:09 AM UP DATE TWO FER 26-30

RICHARD,

FISH OUT OF HOLE AT 02;00 BIT IN GOOD SHAPE. T.I.H. WITH SAME. HAVING HIGH GUSTING WINDS. WIND NOW AT 25 MPH. WNW. WILL PU/ NEW PIPE AND PUT ON BOTTOM. FULL REPORT AT 07:00 HRS.

**THANKS** 

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>. <dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>,

<bartkettle@utah.gov>

Date:

11/27/2005 7:33:03 AM

Subject:

TWO FER 26-30

RICHARD,

OPERATIONS: P/U. AIR STRING.

SHOULD BE DRILLING BY 08:30 WE TWISTED OFF IN THE SAME PLACE BELOW THE TOOL JT. THIS IS THE WEAKEST POINT ON THE REVIRCE STRING. THE SALT #3 SHOULD COME IN AT AROUND 2,767'

THNAKS FOR THE HELP. HAVE. A SAFE DAY & A GOOD FLIGHT HOME.

# INTREPID OIL & GAS LLC DAILY DRILLING REPORT

		26-	-30			4	13-019-	31450	
Well Name		VO FER 16-	<del>3</del> 0		Location		EC 26 - T 26S		
Date		Rig		NKLE	Present Op	eration	D	RILLING AH	
Day No.	36	Formation			Lithology	-n		CLASTIC	2
Depth ft Made	2,744	Previous De	eptn 22	2,688 hrs	Proposed T Drilling rate		2.54	6800	
Made		. " "		Mud	Dilling rate	OI	2.04	ft. per hr.	
Weight	10.1	Chlorides	189,000	Calcium	4,600	Solids	N/C	L.C.M.	NONE
VIS. Fun.	28	P.V.	N/C	YP	N/C	Gels	N/C	PH	8
Water loss	N/C	Filter Cake	N/C	Pf/Mf	0/ .83	ECD	N/C	Nitrates	NONE
	_		_	Mud Gas					
Average	3	Maximum	5 litions last	Connection		Trip luct & Quantity	NONE	Flare	NONE
	I 30010 BA	G OF SALT		24 110013 21 298 CORI		•			
						T USE ALL SALT BU	JT WOULD LI	KE A LETTL	E BASK UP.
					Bit Record				
WOB	30	RPM	65		C	umulative Rotating H	ours	318.5	
Dull Bit No.		Size		Туре		Ser. No.		Jets	
Depth Out	700	Made	40 4/4!!	ft in	DUTTON	hrs. Ft/hr		Dull Gr.	
Present Bit # Depth in	7RR 2,688	. Size Made	12 1/4" 56	Type ft in	BUTTON 22	Ser. No. hrs.	SAME Avg. ft./hr.	. Jets 2.54	3 20/32
Deptii iii		nps	BOF			•			ofo
Mud Pump	No. 1	No. 2		pest Casing		String W			onditions
Make	<b>EMSCO</b>	BRUSTER	Size	Depth	Min. Burst		82,000		Spots Out
Liner	1350 CFM	AIR COMP.			2120	Pick Up	82,000	Depth	Over Pull
Stroke				Shoe test		Slack Off	82,00		NONE
SPM GPM			Equiv. Muc		N 1-	Rotating Torque			
Pump psi	300	****	Pressure T	Last BOP C	леск 1,000	Neutral Pick Up	360		l eight trip In
Slow Pump F			BOP Drill 8		NOV. 16/05			I TAKES VV	NONE
SPM			Drill String			Last Date BHA			NONE
Pump psi			Annular Vo		600	Inspected	?.	Ft. of Fill	NONE
		Drill Stri	ng and B	ottom Ho	le Assemi	bly Configuration	1		
	Drill Pipe							Cumulative	e ft. from
Size	Weight	Grade	Tube i.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of c	ollars
7"					6"		2,630.00	2,630	
							+		
	Bottom Ho	le Assembl	v					Cumu	lative feet
Item	Bottom Ho Quantity	le Assembl O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	Cumu from b	lative feet
Bit		O.D.	I.D.	Thread		Grade	1		
			,	Thread	Lbs./ft	Grade			
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread		Grade	1		
Bit		O.D.	I.D.	Thread			1 113		
Bit		O.D.	I.D.		100	Grade	1 113	from b	vit
Bit		O.D.	I.D.	Thread	100		1 113		sts
Bit DC	Quantity	O.D.	I.D.		100		1 113 1144 Item Drilling Foot	from b	vit
Bit DC - 08:00	Quantity P/U. AIR S	O.D.	I.D.	t of Opera	100		1 113 1144 Item Drilling Food	from b	sts
Bit DC Hours	Quantity P/U. AIR S	O.D.	I.D.	t of Opera	100		113 1144 144 Item Drilling Food Drilling Day Water	from b	sts
Bit DC - 09:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	1113  1144  Item  Drilling Food  Drilling Day  Water  Drilling Mud	from b	sts
Bit DC - 08:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	144  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud (	from b	sts
Bit DC - 09:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	1 113 1144 144 1tem 17illing Food 17illing Day 17water 17illing Mud 17water 17water 17water 18water 18	prilling Co	sts
Bit DC - 09:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	1 113 1144 144 1tem 1rilling Food 1rilling Day Water 1rilling Mud 1cum. Mud	from be a second of the content of t	sts
Bit DC - 09:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	1 113 1144 144 1tem Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log	from be a second of the content of t	sts
Bit DC - 09:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	1 113  1144  Item  Drilling Food  Drilling Day  Water  Drilling Mud  Cum. Mud (  Mud Loggin  Cement all  Drill Stem T  Electric Log  Bits, Supplie	from be from b	sts
Bit DC - 09:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	1 113  1144  Item  Drilling Food  Drilling Mud  Cum. Mud (  Mud Loggin  Cement all  Drill Stem T  Electric Log	from be from b	sts
Bit DC - 09:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	1 113  1144  Item  Drilling Food  Drilling Day  Water  Drilling Mud  Cum. Mud (  Mud Loggin  Cement all  Drill Stem T  Electric Log  Bits, Supplie	from be from b	sts
Bit DC - 09:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	1 113 1144 144 1tem 1tem 1tem 1tem 1tem 1tem 1tem 1tem	from be a from b	sts
Bit DC - 09:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	1 113 1144 144 1tem 1tem 1tem 1tem 1tem 1tem 1tem 1tem	from be from b	sts
Bit DC - 09:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	1 113  1144  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well	from be a from b	sts
Bit DC - 09:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	1 113  1144  Item  Drilling Food  Drilling Day  Water  Drilling Mud  Cum. Mud (  Mud Loggin  Cement all  Drill Stem T  Electric Log  Bits, Supplic  Casing & W  Other  Cum. Daily  Total Well  Time Ca	from be a from b	sts Daily
Bit DC - 09:00	P/U. AIR S	O.D. 7" TRING	I.D.  5"  Repor	t of Opera	100 ations	Total	1 113  1144  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well	tage work  Cost g Unit strings ests es /ell Head  Costs Costs Costs	sts
Bit DC - 09:00	P/U. AIR S' GETTING ( DRILG. FR	O.D. 7" TRING CIRCULATIO	Repor	t of Opera	100 ations RE DRILG. RS. ROP.	Total  2.54' FPH.	113  113  1144  Item  Drilling Food  Drilling Day  Water  Drilling Mud  Cum. Mud Coggin  Cement all  Drill Stem T  Electric Log  Bits, Supplic  Casing & W  Other  Cum. Daily  Total Well  Time Ca  Rotating  Drlg.(non roc  Csg. & Cmt	from be from b	sts Daily
Bit DC - 09:00	P/U. AIR S' GETTING ( DRILG. FR	O.D.  7"  TRING  CIRCULATIO  ROM 2,688' 7	Repor	t of Opera	100  ations  RE DRILG.  RS. ROP. :	Total  2.54' FPH.  16 DEG.	144  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro	from be a from b	sts Daily
Bit DC - 09:00	P/U. AIR S' GETTING ( DRILG. FR	O.D.  7"  TRING  CIRCULATIO  ROM 2,688' 7	Report ON BACK GO 2,744'  AFETY MEIHUMIDITY:	t of Opera	100  ations  RE DRILG.  RS. ROP. :	16 DEG. 2 - WIND 10-12 W	144  Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro	from be a from b	sts Daily

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

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<rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>, <dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>, <bartkettle@utah.gov>

Date:

11/28/2005 6:51:06 AM

Subject:

TWO FER 26-30

RICHARD,

OPERATIONS AT 0630 DRILLING AHEAD 2.54' PH

THANKS FOR YOUR HELP. HAVE A SAFE TRIP HOME.

## INTREPID OIL & GAS LLC DAILY DRILLING REPORT

43-019-31452

		26					7 3-017	0. 750	<b>人</b>
Well Name	TV	O FER	30		Location	S	EC 26 - T 26S	- R 20E	
Date	11/2 <b>9</b> /05	Rig	HEN	NKLE	Present Op	eration	ATTM	PT TO CIRC	CULATE
Day No.	37	Formation	CLAS	STIC 2	Lithology			CLASTIC	2
Depth ft	2,744	Previous De	epth	2,744	Proposed T	D		6800	
Made	NONE	ft in		hrs	Drilling rate	of		ft. per hr.	
				Mud	· ·			-	
Weight	10,2	Chlorides	189,000	Calcium	4,600	Solids	N/C	L.C.M.	NONE
VIS. Fun.		P.V.	N/C	Y.P.	N/C	Gels	N/C	PH	8
Water loss	N/C	Filter Cake	N/C	Pf/Mf	0/.31	Oil %	NONE	Nitrates	NONE
				Mud Gas		. 0",0		141114100	HOILE
Average	NONE	Maximum	NONE	Connection	NONE	Trip	NONE	Flare	NONE
, wordgo	HONE		litions last			luct & Quantity	HONE	i iai c	NONE
	10 GAL CI	1-298 CROS			1 100	idet & Quantity			
					HED: 27 D	EG HUM.; 37% - \	//C - 10 MII ES	WIND 6 M	ADU FOE
	NO ACCIDE	ENT OAF	EII WEETI				VIS., TO WILES	VIINDSIV	IPH. E.S.E.
				t	Bit Record				
WOB	20-35	RPM	80M 60R		C	umulative Rotating H	lours	318.5	-
Dull Bit No.		Size		Туре		. Ser. No.		Jets	OPEN
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	7RR	Size	12 1/4"	Туре	BUTTON	Ser. No.	SAME	Jets	OPEN
Depth in	2688	Made	56	ft in	22	hrs.	Avg. ft./hr.		
	Pur	nps	BOF	Inform	ation	Hole I	Drag and Co	ndition lr	nfo.
Mud Pump	No. 1	No. 2	Dee	pest Casing	Set	String W			onditions
Make	EMSCO	BRUSTER	Size	Depth	Min. Burst		82,000		Spots Out
Liner		AIR COMP.	0.20	Bopti.	2120	Pick Up	82,000	Depth	Over Pull
Stroke	1000 CI WI	AII COIVII .		Shoe test	2120	•		Deptil	
SPM			Courie Meso			Slack Off	82,000		NONE
			Equiv. Mud			Rotating Torque			
GPM				Last BOP C		Neutral			
Pump psi	350	OFF AIR	Pressure T		1,000	Pick Up		Takes W	eight trip In
Slow Pump F		183 PSI.	BOP Drill 8	Function	NOV. 16/05	Slack Off	· · · · · · · · · · · · · · · · · · ·		
SPM			Drill String	Vol. Bbls.	#VALUE!	Last Date BHA	***************************************		
Pump psi			Annular Vo		600	Inspected	?.	Ft. of Fill	
• •		Drill Stri	ng and R	ottom Ho	Assemi	bly Configuratio			
	D :111 D1	Dim our	ng ana D		ic Asseiiii	ory Configuration	11)		
	Drill Pipe							Cumulat	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	ollars
7"					6"		2,630.00	2,630	
						· · · · · · · · · · · · · · · · · · ·		2,630	
								2,630	
	Bottom Ho	le Assembl	v		1	L			lative feet
Item	Quantity	O.D.	i.D.	Thread	Lbs./ft	Grado	Longth		
Bit	Quantity	U.D.	1.D.	iiii <del>c</del> au	i LDS./IL	Grade	Length	from b	nt.
DC		7"	5"		400		110	00.05	
DC			5"		100		113	32.25	
					ļ				
					ļ				
					<del></del>				
						Total			
			Repor	t of Opera	ations	Total		rilling Co	ete
Houre			Repor	t of Opera	ations	Total		Prilling Co	
Hours	DDII G EB	20M 2 744	-	•		·	Item	•	sts Daily
	DRILG. FR	ROM 2,744'	-	•		Total  CIRC, CORRECTLY	Item ′. Drilling Foot	age	
07:00 - 08:00			ΓΟ 2,744.5	AIR RECYC	CLING NOT	·	Item  '. Drilling Foot Drilling Day	age	
			ΓΟ 2,744.5	AIR RECYC	CLING NOT	·	Item /_ Drilling Foot Drilling Day Water	age work	
07:00 - 08:00 08:00 - 08:30	CHANGED	FUEL FILT	TO 2,744.5	AIR RECYC	CLING NOT	CIRC, CORRECTLY	Item /. Drilling Foot Drilling Day Water Drilling Mud	age work	
07:00 - 08:00 08:00 - 08:30	CHANGED	FUEL FILT	TO 2,744.5	AIR RECYC	CLING NOT	·	Item /_ Drilling Foot Drilling Day Water Drilling Mud Cum. Mud (	age work	
07:00 - 08:00 08:00 - 08:30	CHANGED	FUEL FILT	TO 2,744.5	AIR RECYC	CLING NOT	CIRC, CORRECTLY	Item /_ Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	age work Cost g Unit	
07:00 - 08:00 08:00 - 08:30	CHANGED AIR KEEPS	FUEL FILTI	FR ON AIR	AIR RECYC	CLING NOT SOR. CALLAPSE II	CIRC, CORRECTLY	Item /_ Drilling Foot Drilling Day Water Drilling Mud Cum. Mud (	age work Cost g Unit	
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30	CHANGED AIR KEEPS	FUEL FILTI	FR ON AIR	AIR RECYC	CLING NOT SOR. CALLAPSE II	CIRC, CORRECTLY	Item /_ Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	age work Cost g Unit strings	
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30	CHANGED AIR KEEPS PULL AIR S	FUEL FILTI RECYCLIN	ER ON AIR  IG. LIKE A	AIR RECYC COMPRESS R LINE IS C	CLING NOT SOR. CALLAPSE II	CIRC, CORRECTLY  N DRILL STRING  R LINE OK.	Item /_ Drilling Foot Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all	age work Cost g Unit strings ests	
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00	CHANGED AIR KEEPS PULL AIR S	FUEL FILTI RECYCLIN	ER ON AIR  IG. LIKE A	AIR RECYC COMPRESS R LINE IS C	CLING NOT SOR. CALLAPSE II	CIRC, CORRECTLY  N DRILL STRING  R LINE OK.	Item / Drilling Foot Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T	age work Cost g Unit strings ests s	
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00	CHANGED  AIR KEEPS  PULL AIR S  PULLING T	FUEL FILTI RECYCLIN STRING. TO	ER ON AIR  IG. LIKE AI  CK. FOR	AIR RECYC COMPRESS R LINE IS C CALLAPSE	CLING NOT SOR. CALLAPSE II AIR LINE AI	CIRC, CORRECTLY  N DRILL STRING  R LINE OK.	Item / Drilling Foot Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie	age work Cost g Unit strings ests s	
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00	CHANGED  AIR KEEPS  PULL AIR S  PULLING T	FUEL FILTI RECYCLIN STRING. TO	ER ON AIR  IG. LIKE AI  CK. FOR	AIR RECYC COMPRESS R LINE IS C CALLAPSE	CLING NOT SOR. CALLAPSE II AIR LINE AI	CIRC, CORRECTLY  N DRILL STRING  R LINE OK.	Item / Drilling Foot Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie	age work Cost g Unit strings ests s	
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00 17:00 - 17:30	CHANGED  AIR KEEPS  PULL AIR S  PULLING T  ATTEMPT	FUEL FILTI RECYCLING STRING. TO O 1,700' AN TO REVIRC	ER ON AIR  IG. LIKE AI  CK. FOR  ID PUTTING  E CIRCULA	AIR RECYC COMPRESS IR LINE IS C CALLAPSE	CLING NOT SOR. CALLAPSE II AIR LINE AI	CIRC, CORRECTLY  N DRILL STRING  R LINE OK.	Item / Drilling Foot Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie	age work Cost g Unit strings ests s	
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00	CHANGED  AIR KEEPS  PULL AIR S  PULLING T  ATTEMPT	FUEL FILTI RECYCLING STRING. TO O 1,700' AN TO REVIRC	ER ON AIR  IG. LIKE AI  CK. FOR  ID PUTTING  E CIRCULA	AIR RECYC COMPRESS IR LINE IS C CALLAPSE	CLING NOT SOR. CALLAPSE II AIR LINE AI	CIRC, CORRECTLY  N DRILL STRING  R LINE OK.	Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie	age work Cost g Unit strings ests s	
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00 17:00 - 17:30	CHANGED  AIR KEEPS  PULL AIR S  PULLING T  ATTEMPT  T.O.H. TO	FUEL FILTI RECYCLING STRING. TO TO 1,700' AN TO REVIRC CHECK BI	ER ON AIR  IG. LIKE AI  CK. FOR  ID PUTTING  E CIRCULA	AIR RECYC COMPRESS IR LINE IS C CALLAPSE G AIR BACK TE NO SUC	CLING NOT SOR. CALLAPSE II AIR LINE AI CON D/P OI CCESS BIT (	CIRC, CORRECTLY N DRILL STRING R LINE OK. COULD BE PLUGG	Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie EE Casing & W	age work Cost g Unit strings ests s ess esl	
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00 17:00 - 17:30	CHANGED  AIR KEEPS  PULL AIR S  PULLING T  ATTEMPT  T.O.H. TO  BROKE BIT	FUEL FILTI STRING. TO TO 1,700' AN TO REVIRC CHECK BI	ER ON AIR  IG. LIKE AI  CK. FOR  ID PUTTING  E CIRCULA  T	AIR RECYC COMPRESS IR LINE IS C CALLAPSE G AIR BACK TE NO SUC	CLING NOT SOR. CALLAPSE II AIR LINE AI CON D/P OI CCESS BIT (	CIRC, CORRECTLY  N DRILL STRING  R LINE OK.	Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud Coggin Cement all s Drill Stem T Electric Log Bits, Supplie El Casing & W Other Cum. Daily	age work  Cost g Unit strings ests s es es es Costs	
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00 17:00 - 17:30 17:30 - 20:30 20:30 - 21; 00	CHANGED  AIR KEEPS  PULL AIR S  PULLING T  ATTEMPT  T.O.H. TO  BROKE BIT BIT IN GOO	FUEL FILTI S RECYCLIN STRING. TO TO 1,700' AN TO REVIRC CHECK BI'	ER ON AIR  IG. LIKE AI  CK. FOR  ID PUTTING  E CIRCULA  T  NOT PLUGGION.	AIR RECYC COMPRESS IR LINE IS C CALLAPSE G AIR BACK TE NO SUC	CLING NOT SOR. CALLAPSE II AIR LINE AI CON D/P OI CCESS BIT (	CIRC, CORRECTLY N DRILL STRING R LINE OK. COULD BE PLUGG	Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well (	age work  Cost g Unit strings ests s es ell Head  Costs  Costs	Daily
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00 17:00 - 17:30	CHANGED  AIR KEEPS  PULL AIR S  PULLING T  ATTEMPT  T.O.H. TO  BROKE BIT BIT IN GOO	FUEL FILTI S RECYCLIN STRING. TO TO 1,700' AN TO REVIRC CHECK BI'	ER ON AIR  IG. LIKE AI  CK. FOR  ID PUTTING  E CIRCULA  T  NOT PLUGGION.	AIR RECYC COMPRESS IR LINE IS C CALLAPSE G AIR BACK TE NO SUC	CLING NOT SOR. CALLAPSE II AIR LINE AI CON D/P OI CCESS BIT (	CIRC, CORRECTLY N DRILL STRING R LINE OK. COULD BE PLUGG	Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well C	age work  Cost g Unit strings ests s es ell Head  Costs  Costs	Daily  Hrs.
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00 17:00 - 17:30 17:30 - 20:30 20:30 - 21; 00	CHANGED  AIR KEEPS  PULL AIR S  PULLING T  ATTEMPT  T.O.H. TO  BROKE BIT  BIT IN GOO  T.I.H WITH	FUEL FILTI S RECYCLIN STRING. TO TO 1,700' AN TO REVIRC CHECK BI TOFF. BIT N DD CONDIT I SAME BIT	ER ON AIR  IG. LIKE AI  CK. FOR  ID PUTTING  E CIRCULA  T  NOT PLUGGION.	AIR RECYC COMPRESS R LINE IS C CALLAPSE AIR BACK TE NO SUC	CLING NOT SOR. CALLAPSE II AIR LINE AI CON D/P OI CCESS BIT (	CIRC, CORRECTLY N DRILL STRING R LINE OK. COULD BE PLUGG	Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well (	age work  Cost g Unit strings ests s es ell Head  Costs  Costs	Daily
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00 17:00 - 17:30 17:30 - 20:30 20:30 - 21; 00	CHANGED  AIR KEEPS  PULL AIR S  PULLING T  ATTEMPT  T.O.H. TO  BROKE BIT  BIT IN GOO  T.I.H WITH	FUEL FILTI S RECYCLIN STRING. TO TO 1,700' AN TO REVIRC CHECK BI TOFF. BIT N DD CONDIT I SAME BIT	ER ON AIR  IG. LIKE AI  CK. FOR  ID PUTTING  E CIRCULA  T  NOT PLUGGION.	AIR RECYC COMPRESS R LINE IS C CALLAPSE AIR BACK TE NO SUC	CLING NOT SOR. CALLAPSE II AIR LINE AI CON D/P OI CCESS BIT (	CIRC, CORRECTLY N DRILL STRING R LINE OK. COULD BE PLUGG	Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well C	age work  Cost g Unit strings ests s es dell Head  Costs Costs tegory	Daily  Hrs.
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00 17:00 - 17:30 17:30 - 20:30 20:30 - 21; 00	CHANGED  AIR KEEPS  PULL AIR S  PULLING T  ATTEMPT  T.O.H. TO  BROKE BIT  BIT IN GOO  T.I.H WITH	FUEL FILTI S RECYCLIN STRING. TO TO 1,700' AN TO REVIRC CHECK BI TOFF. BIT N DD CONDIT I SAME BIT	ER ON AIR  IG. LIKE AI  CK. FOR  ID PUTTING  E CIRCULA  T  NOT PLUGGION.	AIR RECYC COMPRESS R LINE IS C CALLAPSE AIR BACK TE NO SUC	CLING NOT SOR. CALLAPSE II AIR LINE AI CON D/P OI CCESS BIT (	CIRC, CORRECTLY N DRILL STRING R LINE OK. COULD BE PLUGG	Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well ( Rotating Drig.(non ro	age work  Cost g Unit strings ests s es cell Head  Costs Costs Legory tating)	Daily  Hrs.
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00 17:00 - 17:30 17:30 - 20:30 20:30 - 21; 00 21:00 - 03:00 03:00 - 04:00	CHANGED  AIR KEEPS  PULL AIR S  PULLING T  ATTEMPT  T.O.H. TO  BROKE BIT  BIT IN GOO  T.I.H WITH	FUEL FILTI S RECYCLING STRING. TO O 1,700' AN TO REVIRC CHECK BI CHECK BI OD CONDIT I SAME BIT AIR STRING	ER ON AIR  IG. LIKE AI  CK. FOR  ID PUTTING  E CIRCULA  T  NOT PLUGG  ION.	AIR RECYC COMPRESS IR LINE IS C CALLAPSE AIR BACK TE NO SUC GED. INSPE	CLING NOT SOR. CALLAPSE II AIR LINE AI CON D/P OI CCESS BIT (	CIRC, CORRECTLY N DRILL STRING R LINE OK. COULD BE PLUGGI DC. AND DP. OK. RE 700 STATIC.	Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well ( Time Cat Rotating Drig. (non ro Csg. & Cmt	age work  Cost g Unit strings ests s es cell Head  Costs Costs Legory tating)	Daily  Hrs.
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00 17:00 - 17:30 17:30 - 20:30 20:30 - 21; 00 21:00 - 03:00 03:00 - 04:00	CHANGED  AIR KEEPS  PULL AIR S  PULLING T  ATTEMPT  T.O.H. TO  BROKE BIT  BIT IN GOO  T.I.H WITH	FUEL FILTI S RECYCLING STRING. TO O 1,700' AN TO REVIRC CHECK BI CHECK BI OD CONDIT I SAME BIT AIR STRING	ER ON AIR  IG. LIKE AI  CK. FOR  ID PUTTING  E CIRCULA  T  NOT PLUGG  ION.	AIR RECYC COMPRESS IR LINE IS C CALLAPSE AIR BACK TE NO SUC GED. INSPE	CLING NOT SOR. CALLAPSE II AIR LINE AI CON D/P OI CCESS BIT (	CIRC, CORRECTLY N DRILL STRING R LINE OK. COULD BE PLUGG	Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie EC Casing & W  Other Cum. Daily Total Well G Rotating Drig. (non ro Csg. & Cmt IN Evaluation	age work  Cost g Unit strings ests s es cell Head  Costs Costs Legory tating)	Daily  Hrs.
07:00 - 08:00 08:00 - 08:30 08:30 - 09:30 9:30 - 10:00 10:00 - 17:00 17:00 - 17:30 17:30 - 20:30 20:30 - 21; 00 21:00 - 03:00 03:00 - 04:00	CHANGED  AIR KEEPS  PULL AIR S  PULLING T  ATTEMPT  T.O.H. TO  BROKE BIT  BIT IN GOO  T.I.H WITH  P/U. 1,040'  ATTEMPT	FUEL FILTI S RECYCLING STRING. TO O 1,700' AN TO REVIRC CHECK BI CHECK BI OD CONDIT I SAME BIT AIR STRING	ER ON AIR  IG. LIKE AI  CK. FOR  ID PUTTING  E CIRCULA  T  NOT PLUGG  ION.  G. DOWN  GET CIRC.	AIR RECYC COMPRESS IR LINE IS C CALLAPSE AIR BACK TE NO SUC GED. INSPE	CLING NOT SOR. CALLAPSE II AIR LINE AI CON D/P OI CCESS BIT (	CIRC, CORRECTLY N DRILL STRING R LINE OK. COULD BE PLUGG DC. AND DP. OK. RE 700 STATIC.	Item Drilling Foot Drilling Days Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well ( Time Cat Rotating Drig. (non ro Csg. & Cmt	age work  Cost g Unit strings ests s es cell Head  Costs Costs Legory tating)	Daily  Hrs.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

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<bartkettle@utah.gov>

Date:

11/29/2005 7:48:51 AM

Subject:

TWO FER 26-30

RICHARD,

CIRCULATING AND MIXING SALT TO KEEP WATER SATURATED WHILE WAITING FOR 2" AIR LINE.

WE ARE BY PASSING SOME AIR THROUGH CHOKE.

THANKS FOR YOUR HELP. HAVE A SAFE DAY.

# INTREPID OIL & GAS LLC DAILY DRILLING REPORT

43-019-31452

		26					7517	J. 750	
Well Name	TV	VO FER 6-	30		Location		C 26 - T 26S		
Date		Rig		NKLE	Present Op	eration		ILLLING AH	
Day No.	38	Formation		\LT	_Lithology	'D	SA	LT # 3 TOP 2	2,765'
Depth ft Made	2,815' 71	Previous De	արա 16.5	2,744' hrs	Proposed T Drilling rate		4.20	6800	
Wade		. " "	10.5	Mud	Drilling rate	OI .	4.30	ft. per hr.	
Weight	10.2	Chlorides	190,000	Calcium	4,400	Solids	N/C	L.C.M.	NONE
VIS. Fun.	28	P.V.	N/C	Y.P.	N/C	Gels	N/C	PH	8
Water loss	N/C	Filter Cake		Pf/Mf	0/.38	Oil %	NONE	Nitrates	NONE
		•		Mud Gas					HOILE
Average	3	Maximum	5	Connection	NONE	Trip	NONE	Flare	NONE
			litions last			uct & Quantity			
	MIX: 10 G/	AL CORRO	SION INHII	BITOR & A	ADD 5 SKS.	SALT 1500 LBS.			
					B'' B			·	
MOB	20	DDM	C.F.		Bit Record				
WOB Dull Bit No.	20	. RPM Size	65	Typo	Ci	umulative Rotating Ho Ser. No.	urs	335	
Depth Out		. Size Made		Type ft in		hrs. Ft/hr	<del></del>	Jets Dull Gr.	
Present Bit #	7RR	Size	12 1/4"	Туре	BUTTON	Ser. No.	SAME	Jets	OPEN
Depth in	2688	Made	127	ft in	38.5	hrs.	Avg. ft./hr.	Jets	OFEN
<b>-</b>		nps	BOF				_	ondition In	of C
Mud Pump	No. 1	No. 2		pest Casing		String We	_		onditions
Make	EMSCO	BRUSTER	Size	Depth	Min. Burst		84,000	•	Spots Out
Liner	1350 CFM	AIR COMP.			2120	Pick Up	84,000	Depth	Over Pull
Stroke				Shoe test		Slack Off	84,000		NONE
SPM			Equiv. Muc	l Weight		Rotating Torque			
GPM	462			Last BOP (		Neutral	350		
Pump psi	340		Pressure T			Pick Up	NONE	Takes W	eight trip In
Slow Pump I			BOP Drill 8		NOV. 16/05		NONE		NONE
SPM			Drill String			Last Date BHA	_		
Pump psi		D.III OLI	Annular Vo			Inspected	<u>?.</u>	Ft. of Fill	
			ng and B	ottom Ho	ie Assemi	oly Configuration			
	Drill Pipe								ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type		T. J. O.D.	Length	top of co	llars
7"					6"		3,056.00	3,056	
								3,056 3,056	
	Bottom Ho	le Assembl	v		<u> </u>		.l		ative feet
Item	Quantity	O.D.	, I.D.	Thread	Lbs./ft	Grade	Length	from b	
Bit					1	]	1 1		
DC		7"	5"		100		113	113	
								113	
								113	
			<u> </u>			-		113	
							<del> </del>	113 113	
<del></del>		<u> </u>			<u> </u>		<u> </u>	113	
					<del>-</del>			113	
						Total	114		
			Repor	t of Opera	ations			rilling Co	sts
Hours			•	•			Item		Daily
07:00 - 12:00	MIX SALT	AND CIRC.					Drilling Foot	tage	•
							Drilling Day	work	
12:00 - 14:30	UNLODING	2' AIR STR	ING & CON	INECT SAM	E TOGETHE	R IN 40' LENGTH	Water		
44.00 40.00	DDII 0 14/1	TII 4 4 401 6	W AID IET	TDINO 50	<del></del>		Drilling Mud		
14:30 - 19:00						O 2,,815' 71' IN 16			· · · · · · · · · · · · · · · · · · ·
	ROP. 4.30	FPH. FUF	KIVIATION S	ALT COMIN	IG OVER SE	IAKER GOOD.	Mud Loggin		
	TOP OF SA	ALT#3 2,	765'				Cement all Drill Stem T		
	101 01 07	\LI#U Z,	700				Electric Log		
·							Bits, Supplie		
						· · · · · · · · · · · · · · · · · · ·	Casing & W		
							]		
	EST. TOP	OF CLASTIC	2,851'				]		
						····	Other		
							Cum. Daily		
							Total Well		
		<del></del>				·····	Time Ca	tegory	Hrs.
							Rotating	4_4: \	335
					<del>, , , , , , , , , , , , , , , , , , , </del>		Drig.(non ro		
	NO ACCID	ENTS. CAE	ETV MEET	NG: MEAT	HEB. 30 D	EG BROMETER 3	Csg. & Cmt	•	
		: 39% - Y				MPH. NW.	Unschedule	d Evente	
- · · · · ·	A	CLINT RHO			-71110	Tool Pusher		VOIILO	
<b>Drilling Supe</b>									

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

<rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>,

<jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>, <dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>,

<bartkettle@utah.gov>

Date:

11/30/2005 7:25:19 AM

Subject:

TWO FER 26-30

RICHARD,

OPERATIONS AT 07:00 DRILLING AHEAD IN THE SALT #3 @ 2,815 12 to 13' PH.

TOP OF SALT # 3 CAME IN AT 2,765'

EST TOP OF CLASTIC #3 2,850'

THANKS FOR YOUR HELP. HAVE A SAFE DAY.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To: <rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>, <dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>, <bartkettle@utah.gov>

Date:

11/30/2005 1:26:40 PM

Subject:

UP DATE TWO FER 26-30

RICHARD,

OPERATION AT 13:00 DRILLING AHEAD CLASTIC 3 CAME IN AT 2,852' THE SALT DRILLED 6.16' HR. CLASTIC 3 DRILLING 20 MIN. PER FOOT.

EST: TD AT O7:00 2900' AT REOPRT TIME IN THE MORNING WITH NO PROBLEMS.

EST: TOP OF SALT 4 2,947' 21:30 FRIDAY NIGHT AT 3' FEET PER HR.

### INTREPID OIL & GAS LLC DAILY DRILLING REPORT

43-019-31452

		26					3-0//-		
Well Name	TV	26 VO FER 46-	-30		Location	S	EC 26 - T 26S	- R 20F	
Date	12/1/05	Rig	HEI	NKLE	Present Operation			G AHEAD IN	CLASTIC 3
Day No.	39	Formation		STIC 3	Lithology			CLASTIC 3	
Depth ft	2,900	Previous De		2,815'	Proposed TD			6800	,
Made	85	ft in	24	hrs	Drilling rate of		3.54	ft. per hr.	
		• •• ••		Mud			0.04	. it. per iii.	
Weight	10	Chlorides	181,000	Calcium	6,240	Solids	N/C	L.C.M.	NONE
VIS. Fun.	28	P.V.	N/C	Y.P.	N/C	_ Gels	N/C	PH	NONE 8
Water loss	N/C	Filter Cake		PfMf	0/.21	Oil %	N/C		
vvater 1033	14/0	. I liter Cake	14/0	Mud Gas	07.21	- 011 70	N/C	Nitrates	NONE
Average	3	Maximum	5	Connection	NONE	Trip	NONE	Flore	NONE
, wordge			ditions last			& Quantity	NONE	Flare	NONE
	10 GAL CR	OSSION IN			BAGS OF SALT.	. o. quantity			
					Bit Record				
WOB	20-25	RPM	65			lative Rotating Hours	i.	359	
Dull Bit No.		Size		Туре	-	Ser. No.		Jets	•
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	7RR	Size	12 1/4"	Туре	BUTTON	Ser. No.	SAME	- Jets	OPEN
Depth in	2688	Made	212	ft in	62.5	hrs.	Avg. ft./hr.	3.39	
•		nps			rmation	-	Orag and C		ofo
Mud Pump	No. 1	No. 2		Deepest Ca		String W			onditions
Make	EMSCO	BRUSTER		Deepest Ca	Min. Burst	Neutral	84,000		onaitions Spots Out
Liner		AIR COMP.		Jepui -	2120	Pick Up	84,000	Depth	Over Pull
Stroke	1000 01 101	, iii COME.	1	Shoe test	2120	Slack Off	84,000	Debtu	
SPM			Equiv. Muc			Rotating Torque	04,000	<u> </u>	NONE
GPM	462			Last BOP C	heck	Neutral	250		
Pump psi	340		Pressure T		1,000	Pick Up	350 NONE	Toles- M	oight to t
Slow Pump I			BOP Drill 8		NOV. 16/05	Slack Off	NONE	i akes W	eight trip In
SPM			Drill String		#VALUE!	Last Date BHA	NONE		N O TRIP
Pump psi			Annular Vo		810		•	Ft. of Fill	
i dilip psi		Drill			Hole Assembly	Inspected	?.	Jet. or em	
	Daill Diag	Dilli .	ourng an	u Bottoiii	noie Assembly	Configuration		_	
	Drill Pipe								ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	llars
7"					6"		2,786.00	2,786	
								2,786	
	<u> </u>	<u> </u>				<u> </u>		2,786	
••		le Assembl	•						ative feet
Item	Quantity	O.D.	l.D.	Thread	Lbs./ft	Grade	Length	from b	it
Bit					1			1	
	<del> </del>		<del></del>				1		
DC	4	7"	5"		100		113	113	
	4	7"	5"		100			113	
	4	7"	5"		100			113 113	
	4	7"	5"		100			113 113 113	
	4	7"	5"		100			113 113 113 113	
	4	7"	5"		100			113 113 113 113 113	
	4	7"	5"		100			113 113 113 113 113 113	
	4	7"	5"		100	T-4-1	113	113 113 113 113 113	
	4	7"				Total	113	113 113 113 113 113 113 113	
DC	4	7"		port of Op		Total	113	113 113 113 113 113 113	
Hours			Re		perations		113	113 113 113 113 113 113 113 113 Orilling Co	sts Daily
Hours			Re				113  114  Item  Drilling Foo	113 113 113 113 113 113 113 113 Orilling Costage	
Hours 07:00 - 13:00	DRILLING	SALT FROM	Re	2,852 37' IN	perations N 6 HRS. ROP. 6.16	S' FPH.	113  114  Item  Drilling Foo  Drilling Day	113 113 113 113 113 113 113 113 Orilling Costage	
Hours 07:00 - 13:00	DRILLING	SALT FROM	Re	2,852 37' IN	perations	S' FPH.	113  114  Item  Drilling Foo  Drilling Day  Water	113 113 113 113 113 113 113 113 Orilling Costage work	
Hours 07:00 - 13:00	DRILLING	SALT FROM	Re 1 2,815 TO 2	2,852 37' IN 2 TO 2,9,00	perations N 6 HRS. ROP. 6.16 O' 48' IN 17.5 HRS.	S' FPH. ROP. 2.74	113  114  Item  Drilling Foo  Drilling Day  Water  Drilling Muc	113 113 113 113 113 113 113 113 Orilling Costage work	
Hours 07:00 - 13:00	DRILLING	SALT FROM	Re 1 2,815 TO 2	2,852 37' IN 2 TO 2,9,00	perations N 6 HRS. ROP. 6.16	S' FPH. ROP. 2.74	113  114  Item  Drilling Foo  Drilling Day  Water  Drilling Muc  Cum. Mud (	113 113 113 113 113 113 113 113 Orilling Cost	
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	perations N 6 HRS. ROP. 6.16 O' 48' IN 17.5 HRS.	S' FPH. ROP. 2.74	113  114  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin	113 113 113 113 113 113 113 113 0rilling Cost	
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	perations N 6 HRS. ROP. 6.16 O' 48' IN 17.5 HRS.	S' FPH. ROP. 2.74	113  114  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all	113 113 113 113 113 113 113 113 113  Orilling Cost tage work  Cost g Unit strings	
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	perations N 6 HRS. ROP. 6.16 O' 48' IN 17.5 HRS.	S' FPH. ROP. 2.74	113  114  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T	113 113 113 113 113 113 113 113 113 Orilling Cod tage work  Cost g Unit strings fests	
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	perations N 6 HRS. ROP. 6.16 O' 48' IN 17.5 HRS.	S' FPH. ROP. 2.74	113  114  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Com. Mud Loggin Cement all Drill Stem T Electric Log	113 113 113 113 113 113 113 113 113  Orilling Cod tage work  Cost g Unit strings ests	
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	perations N 6 HRS. ROP. 6.16 O' 48' IN 17.5 HRS.	S' FPH. ROP. 2.74	113  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Com. Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplie	113 113 113 113 113 113 113 113 113  Orilling Cod tage work  Cost g Unit strings ests es	
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	perations N 6 HRS. ROP. 6.16 O' 48' IN 17.5 HRS.	S' FPH. ROP. 2.74	113  114  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Com. Mud Loggin Cement all Drill Stem T Electric Log	113 113 113 113 113 113 113 113 113  Orilling Cod tage work  Cost g Unit strings ests es	
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	perations N 6 HRS. ROP. 6.16 O' 48' IN 17.5 HRS.	S' FPH. ROP. 2.74	113  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Com. Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplie	113 113 113 113 113 113 113 113 113  Orilling Cod tage work  Cost g Unit strings ests es	
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	Derations N 6 HRS. ROP. 6.16	S' FPH. ROP. 2.74	113  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W	113 113 113 113 113 113 113 113 113  Orilling Cod tage work  Cost g Unit strings ests es	
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	Derations N 6 HRS. ROP. 6.16	S' FPH. ROP. 2.74	113  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W	113 113 113 113 113 113 113 113 113 113	
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	Derations N 6 HRS. ROP. 6.16	S' FPH. ROP. 2.74	113  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily	113 113 113 113 113 113 113 113 113 113	
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	Derations N 6 HRS. ROP. 6.16	S' FPH. ROP. 2.74	113  Item Drilling Foo Drilling Muc Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well	113 113 113 113 113 113 113 113 113 113	Daily
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	Derations N 6 HRS. ROP. 6.16	S' FPH. ROP. 2.74	113  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Cat	113 113 113 113 113 113 113 113 113 113	
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	Derations N 6 HRS. ROP. 6.16	S' FPH. ROP. 2.74	113  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Cat Rotating	113 113 113 113 113 113 113 113 113 113	Daily
Hours 07:00 - 13:00	DRILLING S DRILG. CL	SALT FROM ASTIC 3 F	Re 1 2,815 TO 2 ROM 2,852	2,852 37' IN 2 TO 2,9,00	Derations N 6 HRS. ROP. 6.16	S' FPH. ROP. 2.74	113  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Cat Rotating Drlg.(non re	113 113 113 113 113 113 113 113 113 113	Daily
Hours 07:00 - 13:00	DRILLING DRILG. CL	SALT FROM ASTIC 3 F ILLED 24 HI 24:00 12/2/0	Re 1 2,815 TO : ROM 2,852 RS. 85 FE	2,852 37' IN 2 TO 2,9,00 ET, AVE. FE	Derations N 6 HRS. ROP. 6.16 D' 48' IN 17.5 HRS. EET PER HR IN 24	S' FPH.  ROP. 2.74  HRS 3.54' FPH.	113  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro	113 113 113 113 113 113 113 113 113 113	Daily
Hours 07:00 - 13:00	DRILLING S DRILG. CL TOTAL DR EST. TD.	SALT FROM ASTIC 3 F ILLED 24 HI 24:00 12/2/	Re 1 2,815 TO 2 ROM 2,852 RS. 85 FE ROM 2 RS. 85 FE	2,852 37' IN 2 TO 2,9,00 ET, AVE. FE	Derations N 6 HRS. ROP. 6.16 D' 48' IN 17.5 HRS. EET PER HR IN 24 I	S' FPH.  ROP. 2.74  HRS 3.54' FPH.  BROMETER 30.07	113  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro Csg. & Cmt Evaluation	113 113 113 113 113 113 113 113 113 113	Daily
Hours 07:00 - 13:00	DRILLING : DRILG. CL TOTAL DR EST. TD.  NO ACCID HUMIDITY:	SALT FROM ASTIC 3 F ILLED 24 HI 24:00 12/2/	Re 1 2,815 TO 2 ROM 2,852 RS. 85 FE ROM 2 RS. 85 FE	2,852 37' IN 2 TO 2,9,00 ET, AVE. FE	Derations N 6 HRS. ROP. 6.16 D' 48' IN 17.5 HRS. EET PER HR IN 24	BROMETER 30.07	113  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Car Rotating Drlg.(non ro Csg. & Cmt Evaluation Unschedule	113 113 113 113 113 113 113 113 113 113	Daily
Hours 07:00 - 13:00	DRILLING S DRILG. CL TOTAL DR EST. TD.  NO ACCID HUMIDITY	SALT FROM ASTIC 3 F ILLED 24 HI 24:00 12/2/	Re 1 2,815 TO 2 ROM 2,852 RS. 85 FE ROM 2 RS. 85 FE	2,852 37' IN 2 TO 2,9,00 ET, AVE. FE	Derations N 6 HRS. ROP. 6.16 D' 48' IN 17.5 HRS. EET PER HR IN 24 I	BROMETER 30.07	113  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro Csg. & Cmt Evaluation	113 113 113 113 113 113 113 113 113 113	Daily

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

To:

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<bartkettle@utah.gov>

Date:

12/1/2005 7:10:41 AM

Subject:

TWO FER 26-30

RICHARD,

OPPERATIONS: DRILLING AHEAD AT 2,900' @ 3.54' FPH.

EST: TD. 24:00 HRS TONIGHT

EST: TD. OF WELL 2,970'

RICK YOUR. FORMATION WATER IS CUTTING MY SALT SATURATION BACK NEED SUPER 6 BAGS OF SALT. THANKS FOR YOUR HELP. THIS SHOULD TD THE WELL.

NEED 6 MORE BAGS OF SALT TO TD. WELL. WILL GET ORDERED AND AT WELL SITE TODAY.

THANKS FOR YOUR HELP. HAVE A SAFE DAY.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

**To:** <rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>, <dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>, <barkettle@utah.gov>

Date:

12/1/2005 2:25:06 PM

Subject:

**UP DATE** 

RICHARD,

OPPORATIONS DRILLING AHEAD @ 2,934' 34' IN 7 HRS. ROP.4.85' FPH

LOOKS LIKE AROUND 21:00 HR TO TD. AT 2,967 +OR -

THANKS CLINT

# INTREPID OIL & GAS LLC DAILY DRILLING REPORT

				AILY DI	RILLING	REPORT			
Mail Name	77.4	WO 550 46	-30		1	0.			
Well Name Date	12/2/05	VO FER 16		NKLE	Location Present Op		EC 26 - T 26S		<u> </u>
Date Day No.	40	Formation		LT 4	_Present Op _Lithology	eration		OH. TO LO SALT 4	JG.
Depth ft	2,961	Previous De		2,900'	_ Proposed T	-D	<del></del>	6800	
Made	61	ft in	16.5		Drilling rate		3.70	ft. per hr.	
				Mud				•	
Weight	10.3	Chlorides	190,000	Calcium	6,240	Solids	N/C	L.C.M.	3%
VIS. Fun.	28 N/C	P.V.	N/O	Y.P.	N/C	. Gels	N/C	PH	8
Water loss	IN/C	Filter Cake	N/C	Pf/Mf Mud Gas	0/.28	Oil %	NONE	Nitrates	NONE
Average	3	Maximum	5	Connection	NONE	Trip	NONE	Flare	NONE
Ū			litions last		Prod	luct & Quantity		,	
	10 GAL. C	ORROSION	INHIBITOR	R - 8 BAA	GS SALT				
					Did Danser		<del> </del>		
WOB	20	RPM	65	l	Bit Record	ม umulative Rotating H	01150	97E E	
Dull Bit No.	7RR	- Size	12 1/4	Туре	BUTTON	Ser. No.	SAME	375.5 Jets	OPEN
Depth Out	2,961	Made		ft in		hrs. Ft/hr	<u> </u>	Dull Gr.	OI LIV
Present Bit #	7RR	Size	12 1/4"	Туре	BUTTON	Ser. No.	SAME	Jets	OPEN
Depth in	2688	Made	273	ft in	79	hrs.	Avg. ft./hr.	3.73	
		mps	BOF				orag and Co		
Mud Pump Make	No. 1 EMSCO	No. 2 BRUSTER	Dee   Size	pest Casing Depth	g Set Min. Burst	String We			onditions
Liner		AIR COMP.	Size	Debili	2120	Pick Up	84,000 84,000	Depth	Spots Out Over Pull
Stroke				Shoe test		Slack Off	84,000	Бери	NONE
SPM			Equiv. Muc	l Weight		Rotating Torque			
GPM	462		1	Last BOP		Neutral	NORMAL		
Pump psi Slow Pump F	340		Pressure T BOP Drill 8		1,000	Pick Up		Takes W	eight trip In
SPM	•		Drill String		NOV. 16/05 #VALUE!	Last Date BHA	·		
Pump psi			Annular Vo		810	Inspected	?.	Ft. of Fill	
		Drill Stri	ng and B	ottom Ho	le Assemi	bly Configuration	)	•	·
	Drill Pipe		-					Cumulat	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type		T. J. O.D.	Length	top of co	ollars
7"					6"		2,847.00	2,847	
							-	2,847 2,847	····
	Bottom Ho	le Assembl	v			<u></u>			ative feet
ltem	Quantity	O.D.	i.D.	Thread	Lbs./ft	Grade	Length	from b	
Bit							1		
DC	4	7"	5"	[	100		113	113	
								113 113	
								113	
								113	
	ļ	- · · · · · · · · · · · · · · · · · · ·						113	
<u> </u>								113 113	
						Total	114	110	
			Repor	t of Opera	ations			rilling Co	sts
Hours			-	_			Item		Daily
7:00 - 22:30	DRILLING	CLASTIS 3	FROM 2,9	00' TO 2,95	1' 15.5		Drilling Foo		
22:30 - 23:30	DRII G SAI	T4 FROM	2 951' TO	2 961 10 1	N 1 HR RO	P 10' FPH	Drilling Day Water	WUIK	
00		- 7 7 1 1 ( )   10	,501 10	_,001 10 1		IVIIII.	Drilling Muc	1	
23:30 -24:00	CIRC. CLE	AN HOLE					Cum. Mud	Cost	
				<del></del>			Mud Loggin		
24:00 - 0130	PULL AIR	SIKING.					Cement all Drill Stem T		·
01:30 - 07:00	ТОН. ТО L	OG.				······································	Electric Log		
							Bits, Suppli		
							Casing & W	/ell Head	
	ļ						_		<del></del>
			<del></del>		· ·		Other		
							Cum. Daily	Costs	
							Total Well		
							Time Ca	tegory	Hrs.
							Rotating		
							<b>-1</b> *		
							Drlg.(non ro		
	NO ACCID	ENTS: - SA	YETY MEE	TING: - W	VEATHER.		Csg. & Cmt		
	NO ACCID	ENTS: - SA	AFETY MEE	ETING: - W	VEATHER:				
Drilling Supe		ENTS: - SA		ETING: - W	VEATHER:	Tool Pushe	Csg. & Cmt		

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

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<rick.york@intrepidpotash.com>, <richard.miller@intrepidpotash.com>, <rgrundy@attglobal.net>, <mdgoolsby@comcast.net>, <katie.keller@intrepidpotash.com>, <jim.lewis@intrepidpotash.com>, <jcnerud@yahoo.com>, <hugh.harvey@intrepidpotash.com>, <dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>, <bartkettle@utah.gov>

Date:

12/2/2005 7:03:08 AM

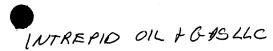
Subject:

TWO FER 26-30

RICHARD,

OPERATIONS; TD 2,961' AT 22:30 TOH. TO LOG WELL.

THANKS FOR YOUR HELP. HAVE A SAFE DAY.



#### **DAILY DRILLING REPORT**

43-019-31452

		26					43-0	19-314	57
Well Name	TV	VO FER 16-	30		Location		SEC 26 - 7	Γ26S - R 20E	=
Date		Rig		NKLE	Present Op	eration		RUN 9 5/8 CS	
Day No.	41	Formation			Lithology			SALT 4	
Depth ft	2,961	Previous De	epth	2,961	Proposed T	D		6800	
Made	NONE	ft in		hrs	<b>Drilling rate</b>	of		ft. per hr.	
				Mud				•	
Weight	10.3	Chlorides	190,00	Calcium	6,240	Solids	N/C	L.C.M.	TRACE
VIS. Fun.	28	P.V.	N/C	Y.P.	N/C	Gels	N/C	PH	8
Water loss	N/C	Filter Cake	N/C	Pm/Fm	0/28	Oil %	NONE	Nitrates	NONE
				<b>Mud Gas</b>		•			
Average	NONE	Maximum	NONE	Connection	NONE	Trip	NONE	Flare	NONE
•		Mud add	litions last	24 hours	Product 8	& Quantity			
				Bit R	ecord				
WOB		RPM				ative Rotatin	a Hours	375.5	
Dull Bit No.	7RR	Size	12 1/4"	Туре	BUTTON	Ser. No.	SAME	Jets	OPEN
Depth Out	2,961	Made	273	ft in	79	hrs. Ft/hr	3.73	Dull Gr.	GOOD
Present Bit #	7RR	Size	12 1/4"	Туре	BUTTON	Ser. No.	SAME	Jets	OPEN
Depth in	2688	Made	273	ft in	79	hrs.	Avg. ft./hr.		<u> </u>
•		nps	BOF			•	-	d Condition	n Info
Mud Pump	No. 1	No. 2		pest Casing			y Weight		onditions
Make	EMSCO	BRUSTER	Size	Depth	Min. Burst		weight		Spots Out
Liner		AIR COMP.	OIZO	Ворин	2120	Pick Up		Depth	Over Pull
Stroke	1000 01 111	, tii t 00iiii .		Shoe test	2120	Slack Off		Depui	Over Full
SPM			Equiv. Mud			Rotating T	orque		***************************************
GPM	462			Last BOP C	heck	Neutral	orquo		
Pump psi	340		Pressure T		1,000	Pick Up	*****	Takes W	eight trip In
Slow Pump F			BOP Drill 8		NOV. 16/05			ranco W	
SPM	***************************************		Drill String			Last Date I	ЗНА		
Pump psi			Annular Vo			Inspected	?.	Ft. of Fill	<del></del>
	Dri	II String a							
	Drill Pipe	oug u	ina Dotto		ocinoiy c	Jonngara	CIOII	C	
Size	•	Crada	TubalD	T.I. Tumo	T	T			ive ft. from
312 <b>e</b> 7"	Weight	Grade	Tube I.D.	T.J. Type	1.3. 1.D.   6"	T. J. O.D.	Length	top of co	ollars
					0				
		!	1						
	1								
	Rottom Ho	la Assamble						Cumul	ative feet
ltem		le Assembly	•	Thread	l he /ft	Grade	Length		ative feet
Item Rit	Bottom Ho Quantity	le Assembly O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	Cumul from bi	
Bit	Quantity	O.D.	I.D.	Thread	<u> </u>	Grade	1	from bi	
			•	Thread	Lbs./ft	Grade		from bi	
Bit	Quantity	O.D.	I.D.	Thread	<u> </u>	Grade	1	113 113	
Bit	Quantity	O.D.	I.D.	Thread	<u> </u>	Grade	1	113 113 113	
Bit	Quantity	O.D.	I.D.	Thread	<u> </u>	Grade	1	113 113 113 113	
Bit	Quantity	O.D.	I.D.	Thread	<u> </u>	Grade	1	113 113 113 113 113 113	
Bit	Quantity	O.D.	I.D.	Thread	<u> </u>	Grade	1	113 113 113 113	
Bit	Quantity	O.D.	I.D.	Thread	<u> </u>	Grade	1	113 113 113 113 113 113 113	
Bit	Quantity	O.D.	I.D.	Thread	<u> </u>	Grade	1	113 113 113 113 113 113 113 113	
Bit	Quantity	O.D.	1.D.		100		113	113 113 113 113 113 113 113 113	
Bit	Quantity	O.D.	1.D.	Thread	100		113	113 113 113 113 113 113 113 113	sts
Bit DC	Quantity 4	O.D.	1.D.		100		1 113 114 E Item	from bi	
Bit DC Hours	Quantity 4	O.D.	1.D.		100		1113 1114 Litem Drilling Foo	from bi  113 113 113 113 113 113 113 113 Orilling Cost	sts
Bit DC Hours	Quantity 4	O.D.	I.D. 5"		100		1 113 114 E Item	from bi  113 113 113 113 113 113 113 113 Orilling Cost	sts
Bit DC Hours 07:00 - 08:00	Quantity 4	O.D.	I.D. 5"		100		113 114 Item Drilling Foo	from bi  113 113 113 113 113 113 113 113 Crilling Costage work	sts
Bit DC Hours 07:00 - 08:00	T.O.H WAITING C	O.D. 7"	I.D. 5" Report of		100		114  Item  Drilling Foo Drilling Day Water	from bi  113 113 113 113 113 113 113 113 113 1	sts
Hours 07:00 - 08:00 08:00 - 10:00	T.O.H WAITING C	O.D. 7"	I.D. 5" Report of		100		114  Item  Drilling Foo  Drilling Day  Water  Drilling Muc	from bi  113 113 113 113 113 113 113 113 113 Crilling Cost	sts
Hours 07:00 - 08:00	T.O.H WAITING C	O.D. 7"	I.D. 5" Report of		100		1113 1114 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all	from bi	sts
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 15:30	T.O.H  WAITING C  RIGGLING  LOGGING	O.D. 7" R ON LOGGER	I.D. 5" Report of		100		1113 1114 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T	from bi	sts
Hours 07:00 - 08:00 08:00 - 10:00	T.O.H  WAITING C  RIGGLING  LOGGING	O.D. 7" R ON LOGGER	I.D. 5" Report of		100		114  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log	from bi	sts
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 15:30 15:30 -21;00	T.O.H WAITING O	O.D.  7"  R  ON LOGGER  UP LOGGE	I.D.  5"  Report of a second s		100		113 114 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	from bi	sts
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 15:30	T.O.H WAITING O	O.D.  7"  R  ON LOGGER  UP LOGGE	I.D.  5"  Report of a second s		100		114  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log	from bi	sts
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 12:00 12:00 - 15:30 15:30 -21;00	T.O.H WAITING C RIGGLING LOGGING NIPPLE DC	O.D.  7"  R  ON LOGGER  UP LOGGE  OWN HYDRI	I.D.  5"  Report of St.  RS.  LL.  CREW.	Operation	100 100	Total	113 114 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	from bi	sts
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 15:30 15:30 -21;00	T.O.H WAITING C RIGGLING LOGGING NIPPLE DC	O.D.  7"  R  ON LOGGER  UP LOGGE  OWN HYDRI	I.D.  5"  Report of St.  RS.  LL.  CREW.	Operation	100 100	Total	114  Item Drilling Foo Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	from bi	sts
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 12:00 12:00 - 15:30 15:30 -21;00	T.O.H WAITING C RIGGLING LOGGING NIPPLE DC RIGGING L	O.D.  7"  R  ON LOGGER  UP LOGGE  DWN HYDRI  JP CASING  9 5/8" CASIN	I.D.  5"  Report of State of S	Operation	100 100	Total	113 113 114 Item Drilling Foo Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	from bi	sts
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 12:00 12:00 - 15:30 15:30 -21;00	T.O.H WAITING C RIGGLING LOGGING NIPPLE DC RIGGING L	O.D.  7"  R  ON LOGGER  UP LOGGE  OWN HYDRI	I.D.  5"  Report of State of S	Operation	100 100	Total	1 113 113 114	from bi	sts
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 12:00 12:00 - 15:30 15:30 -21;00	T.O.H WAITING C RIGGLING LOGGING NIPPLE DC RIGGING L	O.D.  7"  R  ON LOGGER  UP LOGGE  DWN HYDRI  JP CASING  9 5/8" CASIN	I.D.  5"  Report of State of S	Operation	100 100	Total	1 113 113 114	from bi	sts Daily
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 12:00 12:00 - 15:30 15:30 -21;00	T.O.H WAITING C RIGGLING LOGGING NIPPLE DC RIGGING L	O.D.  7"  R  ON LOGGER  UP LOGGE  DWN HYDRI  JP CASING  9 5/8" CASIN	I.D.  5"  Report of State of S	Operation	100 100	Total	1 113 113 114	from bi	sts Daily  Hrs.
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 12:00 12:00 - 15:30 15:30 -21;00	T.O.H WAITING C RIGGLING LOGGING NIPPLE DC RIGGING L	O.D.  7"  R  ON LOGGER  UP LOGGE  DWN HYDRI  JP CASING  9 5/8" CASIN	I.D.  5"  Report of State of S	Operation	100 100	Total	113 113 114 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Rotating	from bi	sts Daily
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 12:00 12:00 - 15:30 15:30 -21;00	T.O.H WAITING C RIGGLING LOGGING NIPPLE DC RIGGING L	O.D.  7"  R  ON LOGGER  UP LOGGE  DWN HYDRI  JP CASING  9 5/8" CASIN	I.D.  5"  Report of State of S	Operation	100 100	Total	113 113 114 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro	tage work  Cost g Unit strings ests gs es /ell Head  Costs Costs tegory  cotating)	sts Daily  Hrs.
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 12:00 12:00 - 15:30 15:30 -21;00	T.O.H  WAITING C  RIGGLING  LOGGING  NIPPLE DC  RIGGING L  RUNNING S	O.D.  7"  R  ON LOGGER  UP LOGGE  UP LOGGE  UP CASING  9 5/8" CASIN  WINDY ALL	I.D.  5"  Report of State of S	Operation  2500', LI	100   100   S   S   KE 462' TO	Total	113 113 114 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro	tage work  Cost g Unit strings ests gs es /ell Head  Costs Costs tegory  cotating)	sts Daily  Hrs.
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 12:00 12:00 - 15:30 15:30 -21;00	T.O.H  WAITING C  RIGGLING  LOGGING  NIPPLE DC  RIGGING L  RUNNING S  RAIN AND	O.D.  7"  R  ON LOGGER  UP LOGGE  UP LOGGE  UP CASING  9 5/8" CASIN  WINDY ALL  ENTS: SAF	I.D.  5"  Report of Seport	Operation  2500', LI	100   100   SS   SS   STHER: 35	D BOTTOM  DEG.	113 113 114 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro	from bi	sts Daily  Hrs.
Hours 07:00 - 08:00 08:00 - 10:00 10:00 - 12:00 12:00 - 15:30 15:30 -21;00	T.O.H  WAITING C  RIGGLING  LOGGING  NIPPLE DC  RIGGING L  RUNNING S  RAIN AND  NO ACCIDI  BRO: 29.86	O.D.  7"  R  ON LOGGER  UP LOGGE  UP LOGGE  UP CASING  9 5/8" CASIN  WINDY ALL	I.D.  5"  Report of State of S	Operation  2500', LI	100 100 ATHER: 35 0 MILES - V	D BOTTOM  DEG.	114  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro	from bi	sts Daily  Hrs.

"Clint Rhodd" <clintrhodd\_62@hotmail.com>

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Date:

12/3/2005 7:09:44 AM

Subject:

TWO FER 26-30

RICHARD,

OPERATIONS: RUNING 9 5/8" CASING 12 JTS. OFF BOTTON 492'

SALT GOT TO GRAND JCT. @ 03:00

THANKS FOR YOUR HELP. HAVE A SAFE DAY

### INTREPID OIL & GAS LLC. DAILY DRILLING REPORT

26

43-019-31455 SEC 26-T 26S-R 20E RIGGING DOWN RIG.

Well Name		VO FER-46	-30			cation			T 26S - R 20E	
Date		Rig		HENKLE		esent Operati	ion	RIG	GING DOWN	NRIG.
Day No.	43	Formation		PIPE SET AT 2,960'		hology				
Depth ft	2,961	Previous De	•	2,961'		oposed TD			6800	
Made	#VALUE!	ft in		hrs	Dri	illing rate of		· · · · · · · · · · · · · · · · · · ·	ft. per hr.	
		_		Mud						
Weight		Chlorides		Calcium	_		Solids		L.C.M.	
VIS. Fun.		P.V.		Y.P.			Gels		PH	
Water loss		Filter Cake		KCL %			Oil %		Nitrates	
Average		Maximum		Mud Gas			77		p=1	
Average			Mud additio	Connection ons last 24 hours		Product & C	Trip		Flare	
	NO ACCID			UP ABOVE ROTARY				/E TARLE 4	4' EDOM	
	GROUND I		D 4 011010	OF ABOVE ROTART	TABLE 1	OTAL STICE	N OF ABOT	L IABLE I	4 FROW	
	0.100110			Rif D	ecord					
WOB		RPM		Dit N	ecoru	Cumarulantia	Detetine	l laa	075.5	
Dull Bit No.		. Size		Туре		Cumulativ	ve Rotating Ser. No.	Hours	375.5 Jets	
Depth Out		- Made		ft in		· · · · · · · · · · · · · · · · · · ·	hrs. Ft/hr		Dull Gr.	
Present Bit #	7RR	- Size	12 1/4"	Туре		BUTTON	Ser. No.	SAME	Jets	OPEN
Depth in	2688	- Made	273	ft in		79	hrs.	Avg. ft./hr.	. 3ets . 3.46	OPEN
Борат		mps		BOP Inform	ation —				d Condition	n Info
Mud Pump	No. 1	No. 2	ı	Deepest Casing		,				
Make		BRUSTER	Size	Deepest Casing		Min. Burst	Neutral	g Weight		onditions
Liner		AIR COMP.	0126	Debai	'		Pick Up			Spots Out
Stroke	1000 01 111	AIR COMIT.		Shoe test		2120	Slack Off		Depth	Over Pull
SPM		<u> </u>	Equiv. Mud				Rotating T	oraue		
GPM			Lquiv. Ivido	Date Last BOP Ch	eck		Neutral	orque		
Pump psi		_	Pressure T			1,000	Pick Up		Takes Weigh	nt trin In
Slow Pump F			BOP Drill 8				Slack Off		l rakes vveigi	it dip iii
SPM		<u> </u>	Drill String				Last Date	ВНА		
Pump psi			Annular Vo				Inspected		Ft. of Fill	
		Drill	String an	d Bottom Hole As			•			
	Drill Pipe		g			••9			Cumulati	ive ft. from
Size	Weight	Grade	Tube I.D.	T I Time		T.J. I.D.	T. J. O.D.	Lamadh		
OIL C	Weight	l	l ape i.b.	T.J. Type	ı	1.0. 1.0.	1. J. O.D.	Length I	top of co	liars
<del></del>	· · · · · · · · · · · · · · · · · · ·	<del></del>		· · · · · · · · · · · · · · · · · · ·						
	· · · · · · · · · · · · · · · · · · ·									
	Bottom Ho	le Assembl	v		li				Cumul	ative feet
Item	Quantity	O.D.	I.D.	Thread		Lbs./ft	Grade	Length	from bi	
CSG	70	9 5/8"	8.535.	LTC 8 RD	1	53 .5	P110	2921.65	1	
F/C		9 5/8"	8.535.	LTC 8 RD		· · · · · · · · · · · · · · · · · · ·		0.85	2922.5	
CSG	1	9 5/8"	8.535.	LTC 8 RD		53.5	P110	40.91.	2963.41	
SHOE	1	9 5/8"	8.535.	LTC 8 RD				1.15.	2964.56	
									2964.56	
									2964.56	
									2964.56	
									2964.56	
									2964.56	
	<u> </u>	<u> </u>	<u> </u>				Total	2964.56	<u> </u>	
	•		Re	port of Operation	ıs				orilling Cos	
Hours								Item		Daily
07:00 - 08:30			ING TO CE	MENT BACK SIDE. OF	= 9 5/8" CA	ASING.		Drilling Foot		
	TAG @554			AD 0147 \407 \40 DE				Drilling Day	work .	
08:30 - 09;30				AD. CMT WITH 50 BE				Water		
		6 FLUID LE	VEL COMIN	IG UP THEN STOPE	O FLUID L	EVEL @ API	PROX	Drilling Mud		
	350'							Cum. Mud (		
00:20 12:00	WOC @ 1	12:00 CETTI	NO FIDM V	MAIT ONE MODE UD	ON CMT	· · · · · · · · · · · · · · · · · · ·		Mud Loggin		
09.30- 13.00	VVCC. @	12.00 GETTI	ING FIRIVI. V	VAIT ONE MORE HR.	ON CIVIT.			Cement all s Drill Stem T		······································
13:00 - 14:00	DUMD 50 F	RRI CMT 20	10 SKS 15	8 PPG. YIELD 1.16 F	LUDIEV	EL DAISING	TO 134	Electric Log		
13.00 - 14.00	THEN STO		00 OKO. 10.	OFFG. TILLD 1.10 T	LOID LL V	LL KAISING	3 10 134	Bits, Supplie		
	ITTLIVOTO	/ LD				<del></del>		Casing & W		
14:00 - 17:30	WOC TIG	HT PULL ON	V FIRST 3 J	TS. TRIP BLOCKS. F	PIPE SHOW	WED TOP O	F CMT 134		eli ricad	
								1	•	
17:30 - 18:00	18:00 MIX AND PUMP 400 SKS CMT. 15.8 PPG. YIELD 1.16 FLOUD LEVEL RAISING TO Other									
***	SURFACE HAD 10 BBLS. OF GOOD CEMENT TO SURFACE.			Cum, Daily	Costs					
	Total Well Costs									
18:00 - 24:30	WASH CM						Hrs.			
						375.5				
	WELD PLATE ON 9 5/8" CASING FOR SECURITY. WEAP 1/2" HOLE IN PLAT COVER Drlg.(non rotating)				3. 3.0					
······································	WELD PLATE ON 9 5/8" CASING FOR SECURITY. Csg. & Cmt.									
	Evaluation									
	WEATHER	: 26 DEG B	RO. 30 26 I	HUMIDITY 76 VISIBIL	ITY 10 MII	LES WIND 5	MPH W.	Unschedule	d Events	
<b>Drilling Supe</b>		CLINT RHO					ool Pusher	JIM HALE	•	
- •					<del></del>					

"Clint Rhodd" <clintrhodd 62@hotmail.com>

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<dustindoucet@utah.gov>, <caroldaniels@utah.gov>, <bobj@intrepidpotash.com>.

<bartkettle@utah.gov>

Date:

12/5/2005 7:35:58 AM

Subject:

**TWO FER 26-30** 

RICHARD,

OPERATIONS @ 07:00 RIGGING DOWN RIG. RIG RELEASED AT 24:00 HRS 12/4/05.

STROLE BACK ON BOTTPM OF PAGE TO SURCAFE CASING TALLY.

THANKS TO THE TO THE POTASH MINE PEOPLE FOR THER HELP DRILLING THE TWO FER 26-20 WELL.

THANKS TO THE STATE OF UTAH FOR THE HELP DRILLING THIS WELL.

THANKS TO HENKEL DRILLING PEOPLE FOR THE SAFE OPERATIONS OF DRILLING THE TWO **FER 26-30 WELL** 

TO ALL HAVE A SAFE AND HAPPY XMAS AND A HAPPY NEW YEAR.

ALL SO THANKS FOR YOUR WORK. HOPE TO SEE YOU IN 2006.

**CLINT RHODD** 



#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:  ML-49436-OBA
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL XX GAS WELL OTHER	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:	Two-Fer Unit 26-30 9. API NUMBER:
Intrepid Oil & Gas. LLC	4301931452
3. ADDRESS OF OPERATOR:	
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Intrepid Oil & Gas, LLC has drilled and set surface We are trying to locate a suitable big rig to drill to proposed total depth of 6800'. We anticipate drilling will be resumed by 2nd quarter 2007.	the well to its

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FORM 9

	STATE OF UTAH	-	FORM 9
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DIV. OF OIL, GAS & MINING

APR U 3 2007

(See Instructions on Reverse Side)

#### FORM 9 STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES 5. LEASE DEGIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING ML-49436-OBA 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT OF CA AGREEMENT NAME! Do not use this form for proposels to drill haw wells, significantly disease switting wells below climent bettom-hale depth, restrict progress wells, or to drill horizontal interests. Use APPLICATION FOR PERMIT TO DRILL form for such proposels. B. WELL NAME and NUMBER! 1. TYPE OF WELL GAS WELL OIL WELL XX OTHER Two-Fer Unit 26-30 2. NAME OF OPERATOR: 4301931452 <u>Intrepid Oil</u> 10. FIELD AND POOL, OR WILDCAT: 3. ADDRESS OF OPERATOR Site 1700 Dentrepar CO 2P 80202 303-296-300k 700 17th st 4, LOCATION OF WELL COUNTY: Grand FOOTAGES AT SURFACE: 588 FSL, 1864 FWL, Sec 26 STATE: OTRIOTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 26 265 UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11, TYPE OF ACTION TYPE OF SUBMISSION REPERFORATE CURRENT FORMATION DEEPEN **ACIDIZE** NOTICE OF INTENT SIDETRACK TO REPAIR WELL FRACTURE TREAT ALTER CASING (Submit in Dublicate) TEMPORARILY ABANDON Approximate date work will start! CASING REPAIR NEW CONSTRUCTION TUBING REPAIR OPERATOR CHANGE CHANGE TO PREVIOUS PLANS VENT OR FLARE PLUG AND ABANDON CHANGE TUBING PLUG BACK WATER DISPOSAL SUBSEQUENT REPORT CHANGE WELL NAME (Submit Original Form Only) WATER BHUT-OFF PRODUCTION (START/REGUME) CHANGE WELL STATUS Date of work completions COMMINGLE PRODUCING FORMATIONS П RECLAMATION OF WELL SITE OTHER: RECOMPLETE - DIFFERENT PORMATION CONVERT WELL TYPE 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, dapths, volumes, etc.

Intrepid Oil & Gas, LLC has drilled and set surface casing at2691' We are trying to locate a suitable big rig to drill the well to its proposed total depth of 6800'. We anticipate drilling operations

will be resumed by 2nd quarter 2007.

NAME (PLEASE PRINT) Katio Keller	TITLE Landman	
NAME (PLEAGE PRINT) KATTO KOTTOR SIGNATURE LATE CALL	4/1/07	
SIGNATURE	DATE	DEOEN/ED
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APR U 3 2007

DIV. OF OIL, GAS & MINING

(This apace for State use emy)



# Fax Transmission 700 17<sup>th</sup> Street, Suite 1700 Denver, CO 80202 (303) 296-3006 Fax: (303) 298-7502

То:	Carol Danielo	Date:	4/3/07
Fax #:	801-359-3940	Pages:	3 including cover sheet
From:	Katie Kellen		
Subject:	Jundry Motice Two Fer 26-30 W	ell	CANTEDIOEN TO TAN
MESSAG	iE:		
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<b>\</b> ~	ue guestions.	Then	k you.

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DIV. OF OIL, GAS & MINING

303-324-7377



FAX TRANSMISSION
700 17<sup>th</sup> Street, Suite 1700
Denver, CO 80202
(303) 296-3006
Fax: (303) 298-7502

	<b>.</b>	•		010100
To:	Carol	Daniel	_ Date:	8/9/07
Fax #:	-108	359-3946	Pages:	3 including cover sheet
From:	Kale	Keller		
Subject:	Crend 1200.	Mother J6-30	Walo	APE 4301425
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		Kati	. K.	eler 4460

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DIV. OF OIL, GAS & MINING

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

FORM 9

	DIVISION OF OIL, GA	AS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
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			STATE: UTAH
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proposed total	depth of 6800'	We anticipate drilling	operations
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DIV. OF OIL, GAS & MINING

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

FORM B

DIVISION OF OIL, GAS AND MINING	6. LEASE DESIGNATION AND SERIAL NUMBER:
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2. NAME OF OPERATOR:	G. API NUMBERS
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Intrepid Oil & Gas, LLC has drilled and set surface. We are trying to locate a suitable big rig to drill to proposed total depth of 6800'. We anticipate drilling will be resumed by 2nd quarter 2007.	the well to its
NAME (PLEASE PRINT) Katie Keller 11 Jandma SIGNATURE LATE SILL CATE SILL CAT	7
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Fax Transmission 700 17<sup>th</sup> Street, Suite 1700 Denver, CO 80202 (303) 298-3006 Fax: (303) 298-7502

43-019-31452

To:	Carol Daniels	Date:	10/30/07
Fax#:	801-359-3940	Pages:	4 including cover sheet
From:	Kathe Kallen		
Subject:	Sundry Notices	for Ta	00-FEN 26-36

**MESSAGE:** 

Carol.

Per our shone conversation,
endand are sending notice for
the referenced well for
September - November 2007

please call me @ 303-820-4460.

3 separate Ketre Kellen months

Don

OCT 3 0 2007
DIV. OF OIL, GAS & MINING

STATE OF		
DEPARTMENT OF NATU DIVISION OF OIL, GA	AL RESOURCES	S. LEASE DESIGNATION AND SERIAL NUMBER:
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Vite Kelle	DATE October	1,2007
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STATE OF U	TAH	
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2. NAME OF OPERATOR:		4301931452
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DIV. OF OIL, GAS & MINING

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DEPARTMENT OF NATUR	AN PERMURAER	
DIVISION OF OIL, GA	S AND MINING	5, LEASE DESIGNATION AND SERIAL NUMBER:
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	T.T.C	4301931452
3. ADDRESS OF OPERATOR!	PHONE NUMBER:	10, FIELD AND POOL, OR WILDCAT:
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CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
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Intrepid Oil & Gas, LLC has	irilled and set surface ca	asing accosi
We are trying to locate a sui	able big rig to drill the	well to its
proposed total depth of 6800'	We anticipate drilling	operations
will be resumed by / 57 quarter	2009.	
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	Title Landman	
NAME (PLEASE PRINT) KATIS KELLET	TITLE Landman	1 2007
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		OCT 3 0 2007
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(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

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### Utah Division of Oil, Gas and Mining

### DRILLING OPERATIONS SUSPENDED

### **NOTICE TO OPERATORS:**

Operator's responsibility is to provide a monthly status report for each well in"Drilling Operations Suspended" status in accordance with Rule R649-3-6.2.4, which states:

The operator shall submit a monthly status report for each drilling well on Form 9, Sundry Notices and Reports on Wells. The report should include the well depth and a description of the operations conducted on the well during the month. The report shall be submitted no later than the fifth day of the following calendar month until such time as the well is completed and the well completion report is filed.

Today's Date:

01/10/2008

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining and may result in the Division pursuing enforcement action as outlined in Rule R649-10. Administrative Procedures and Section 40-6-11 of the Utah Code.

As of this mailing of this notice, the division has not received the required reports for:

\_\_\_\_\_

Well API Number Last Report Received

Two Fer 26-30 4301931452 10/30/2007 T26S R20E SEC 26

Operator: INTREPID OIL & GAS LLC

To avoid compliance action, required reports should be mailed within 7 busines days to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P O Box 145801 Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please call (801) 538-5284.

cc Well File Compliance File



# Fax Transmission 700 17<sup>th</sup> Street, Suite 1700 Denver, CO 80202 (303) 296-3006 Fax: (303) 298-7502

	( m = 1 -
To:	Carol Daniels Date: 10/30/07
Fax#:	801-359-3946 Pages: 4 including cover sheet
From:	Katre Kolen
	Sundry Notice for Two-FER 26-36
<b>011,</b> 001	
MESSAG	<u>.</u>
	Carol.
	Per our phone conversation,
2	endand are sending notices for
•	the referenced will for
	September - November 2007
	Should you have guesti.
	blease call me @ 303-820-4460
	<u> </u>
	Thank you -
	Katu Kellan
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	JAN 1 5 2008

JAN. 15. 2008 9: 30AM INTREPIDOSVA

Per Our prone con No. 833 P. 18

Enclased are Sandry Notices for

the referenced will for

Explands - November 2007.

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please call me 2 303 - 850-4460.

Thank your -Ketre Kellen

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DIV. OF OIL, GAS & MINING

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TTI INTREPID/QSVA

\* \* \* COMMITY CATION RESULT REPORT ( OCT. 30.2017 3:29PM ) \* \*

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DEPARTMENT OF NATUR DIVISION OF OIL, GA		6. LEASE DESIGNATION AND SERIAL NUMBER:
	<u> </u>	ML-49436-OBA
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FORM 9 STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING & LEASE DESIGNATION AND SERIAL NUMBER: ML-49436-OBA B. IF (NDIAN, ALLOTTEE OR TRIBE NAME SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT OF CA AGREEMENT NAME On not use this form for proposals to drill new wells, significantly despen subtline wells before carrent bottom-hale step drill horizontal laterals. Use APPLICATION FOR PERMIT TO CRILL form for such propose S. WELL NAME and NUMBER: OIL WELL KI GAS WELL OTHER Two-Fer Unit 4301931452 <u> Intrepid</u> THOME NUMBER 10. FIELD AND POOL OR WILDCAT 700 Denizeras CO zir 80202 FOOTAGES AT SURFACE: A THE CTRICTR, SECTION, TOWNSHIP, MANGE, MERIDIAN, ENG. F. STATE: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION DEEPEN REPERFORATE CURRENT FORMATION **AÇIDİZE** FRACTURE TREAT SIDETRACK TO REPAIR WELL ALTER CASING NEW CONSTRUCTION TEMPORARILY ASANDON CASING REPAIR OPERATOR CHANGE TUBING REPAIR CHANGE TO PREVIOUS PLANS PLUG AND ABANDON VENT OR FLARE CHANGE TURING WATER DISPOSAL CHANGE WELL NAME PRODUCTION (START/RESUME) WATER SHUT-OFF CHANGE WELL STATUS MECLAMATION OF WELL SITE COMMINGLE PRODUCING FORMATIONS RECOMPLETE - DIFFERENT FORMATION CONVERT WELL TYPE 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Intropid Oil & Gas, LLC has drilled and set surface casing at2691' We are trying to locate a suitable big rig to drill the well to its proposed total depth of 6800. We anticipate drilling operations will be resumed by / 57 quarter 2008.

> RECEIVED JAN 1 5 2008

DIV. OF OIL, GAS & MINING

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NAME (PLEASE PRINT) KRITTO KOLLOT	HATE _ Och ken /	, 2007
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1. TYPE OF WELL

2. NAME OF OPERATOR

3, ADDRESS OF OPERATO

4. LOCATION OF WELL

11.

700 17th St

TYPE OF SUBMISSION

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NOTICE OF INTENT (Submit in Duplicate)

SUBSEQUENT REPORT (Submit Original Form Only)

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	DEPARTMENT OF NA	TURAL RESOURCES	•
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			Two-Fer Unit 26-3
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(5/2000)



FAX TRANSMISSION 700 17th Street, Suite 1700 **Denver, CO 80202** (303) 296-3006 Fax: (303) 298-7502

To:	Carol D	uniel	Date:	/	2/18/0	7
Fax#:	8012	359-344	O Pages	s: <u>2</u>	including co	ver sheet
From:	Katie	Keller			•	
Subject:	Sendis	nota	for.	Two	- Fak	26-36
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MESSAGE: Carol

AttAched so the Sendy for The referenced Well for Decouler 2007 Should you have questions I lan be reacht @ 202-820-4460.

> Track you Kate. Keller

RECEIVED JAN 1 5 2008

P. 1

COMMUNICATI RESULT REPORT ( DEC. 18.2007 3:17 ) \*

INTREPID/QSVA

FILE MODE

OPTION

ADDRESS (GROUP)

RESULT

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P. 2/2

REASON FOR ERROR E-1) HANG UP OR LINE FAIL E-3) NO ANSWER

E-2) BUSY E-4) NO FACSIMILE CONNECTION

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DEPARTMENT OF NATI	JRAL RESOURCES	•
Division of oil, G	as and mining	6. LEASE DESIGNATION AND SERIAL NUMBER:
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Fax Transmission
700 17<sup>th</sup> Street, Suite 1700
Denver, CO 80202
(303) 296-3006
Fax: (303) 298-7502

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To:	Carol Daniel			
Fax#:	801-359-3940	_ Pages:	16 including	cover sheet
From:	Katie Keller			
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STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OU. GAS AND MINING

DEPARTMENT OF NATU		. '
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(5/2000)



Fax Transmission 700 17<sup>th</sup> Street, Suite 1700 Denver, CO 80202 (303) 296-3006

Fax: (303) 298-7502

To:	Carol Daniel	Date:	2	1/13/02
Fax #:	801-359-3940	Pages:	<u> </u>	including cover sheet
From:	Katu Kallen			
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MESSAGE:

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL. GAS AND MINING

DIVISION OF OIL, GAS AND MINING	6. LEASE DESIGNATION AND SERIAL NUMBER:
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DIV. OF OIL, GAS & MINING

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# NOTICE OF LATE REPORTING DRILLING & COMPLETION INFORMATION

Utah Oil and Gas Conservation General Rule R649-3-6 states that,

Operators shall submit monthly status reports for each drilling well (including wells where drilling operations have been suspended).

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.
- ➤ Within 30 days after the completion or plugging of a well, the following shall be filed:
  - Form 8, Well Completion or Recompletion Report and Log
  - · A copy of electric and radioactivity logs, if run
  - A copy of drillstem test reports,
  - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
  - A copy of core analyses, and lithologic logs or sample descriptions if compiled
  - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing of this notice, the division ha	as not received the required re	ports for
Operator: Intrepid Oil & Gas, LLC	Today's Date:	07/18/2008
Well: Two Fer 26-30 265 202 26	API Number: Di 4301931452	rilling Commenced 10/25/2005
List Attached		
To avoid compliance action, required reports Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P.O. Box 145801	should be mailed within 7 busi	ness days to:
Salt Lake City, Utah 84114-5801  If you have questions or concerns regarding to at (801) 538-5260	this matter, please contact Rac	hel Medina

Well File Compliance File

cc:

STATE OF UTAH		
DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS AND MI	NING	5. LEASE DESIGNATION AND SERIAL NUMBER:
		ML-49436-OBA 6. IF INDIAN, ALLOTTÉE OR TRIBE NAME:
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•		7. UNIT OF CA AGREEMENT NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below our drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL K	ont boltem-hole depth, reenter plugged wells, or to om for such proposals.	
		8. WELL NAME and NUMBER:
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2. NAME OF OPERATOR:		4301931452
Intropid Oil & Gas, LIC  3. ADDRESS OF OPERATOR:	PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
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#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES 8. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING MT.-49436-OBA 8. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT OF CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal taterais. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 8. WELL NAME and NUMBER: 1. TYPE OF WELL OIL WELL XX GAS WELL OTHER Two-Fer Unit 26-30 9. API NUMBER: 2. NAME OF OPERATOR: 4301931452 <u>Intrepid Oil</u> 10, FIELD AND POOL, OR WILDCAT: PHONE NUMBER: 3. ADDRESS OF OPERATO 303-296-300 Stre 1700 Denizeras CO zp 80202 700<u>17th</u> 4. LOCATION OF WELL COUNTY: Grand FOOTAGES AT SURFACE: 588 FSLICE 1864 FWL JUSE 67 26 STATE: OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 26 268 **UTAH** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION REPERFORATE CURRENT FORMATION ACIDIZE DEEPEN NOTICE OF INTENT SIDETRACK TO REPAIR WELL FRACTURE TREAT ALTER CASING (Submit in Duplicate) TEMPORARILY ABANDON NEW CONSTRUCTION Approximate date work will start: CASING REPAIR TUBING REPAIR **OPERATOR CHANGE** CHANGE TO PREVIOUS PLANS VENT OR FLARE PLUG AND ABANDON CHANGE TUBING WATER DISPOSAL PLUG BACK CHANGE WELL NAME SUBSEQUENT REPORT (Submit Original Form Only) WATER SHUT-OFF PRODUCTION (START/RESUME) CHANGE WELL STATUS Date of work completion: RECLAMATION OF WELL SITE OTHER: COMMINGLE PRODUCING FORMATIONS RECOMPLETE - DIFFERENT FORMATION CONVERT WELL TYPE 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Intrepid Oil & Gas, LLC has drilled and set surface casing at2691', We are trying to locate a suitable big rig to drill the well to its proposed total depth of 6800'. We anticipate drilling operations will be resumed by y The quarter 200%. NAME (PLEASE PRINT)

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# State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 14, 2008

CERTIFIED MAIL NO. 7004 2510 0004 1824 5940

Katie Keller Intrepid Oil & Gas, LLC 700 17<sup>th</sup> Street, Suite 1700 Denver, CO 80202 43 019 31452 Two Fer 26-30 26 S 20E 26

Re:

Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases

Dear Ms. Keller,

As of January 2008, Intrepid Oil & Gas has one (1) Mineral Lease Well (Attachment A) that is in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon showing of good cause by the operator (R649-3-36-1.3.3).

For extended SI/TA consideration the operator shall provide the Division with the following:

- 1. Reasons for SI/TA of the well (R649-3-36-1.1).
- 2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
- 3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).



Page 2 August 14, 2008 Ms. Keller

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).

- 1. Wellbore diagram, and
- 2. Copy of recent casing pressure test, and
- 3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
- 4. Fluid level in the wellbore, and
- 5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely

Dustin K. Doucet Petroleum Engineer

JP/js Enclosure

cc: Jim Davis, SITLA

Operator Compliance File

Well File

### ATTACHMENT A

	Well Name	API	Lease Type	Years Inactive
1	TWO FER 26-30	43-019-31452	ML-49436-OBA	2 Years 9 Months

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## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL CAS AND MINING

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Do not use this form for proposals to d	nii new welle, significantly deepen existing walls belo at laterals. Use AFPLICATION FOR PERMIT TO DI	w current battom-halo dopth, roonler plugged	7. UNIT of CA AGREEMENT NAME:
1 TYPE OF WELL	. = =		9. WELL NAME and NUMBER;
OIL WEI	L KK GAS WELL OTHE	R	Two-Fer Unit 26-30
2. NAME OF OPERATOR:			9. API NUMBER:
3. ADDRESS OF OPERATOR:	pid Oil & Gas, LLC	PHONE NUMBER:	4301931452 10. FIELD AND POOL, OR WILDCAT:
700 17th st, s	te 1700 Denizaras CO		
4. LUCATION OF WELL			
	Borsl/, Tebashwi, Se		County: Grand
QTR/QTR, SECTION, TOWNSHIP, R	ANGE, MERIDIAN: SESW 26 26		STATE:
<del></del>		20 B	UTAH
11. CHECK AP	PROPRIATE BOXES TO INDIC	ATE NATURE OF NOTICE	REPORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTIO	V
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will stad:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
TV ************************************	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME	WATER SHUT-OFF
	COMMINGLE PRODUCING FORMATION	S RECLAMATION OF WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FOR	
Intrepid Oil &	Gas, LLC has drill o locate a suitable	ed and set surfa	ce casing at 2691'
beobosea rordi	depri or egon. We	anticinate deil	I the well to its ling operations
Will be resumed	by y ra quarter 200	9.	<b>J</b>
		<b>1</b> °	
hidder on case and the			
NAME (PLEASE PRINT) Kati	e Keller	fitLE Land	man
SIGNATURE LIGHT	Kille_	DATE 0///c	)009
nis space for 3(ste use only)			
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(2000)	(See Instr	ucions on Reverse Side)	

SUNDRY NOTICES AND REPORTS ON WELLS  On not use this form for proposals to drill now wells, significantly despen enabling wells below current believe into the drill norther hall interests, use APPLICATION FOR PERMIT TO DRILL form for such proposals.  1. TYPE OF WELL  OIL WELL TO GAS WELL  Third in Oil & Gas LLC	TWO-FET Unit 26-30.  a. API NUMBER:  TWO-FET Unit 26-30. b. API NUMBER:  TWO-FET Unit 26-30. c. API NUMBER:  4301931452. c. FIELD AND FOOL, OR WILLDOAT:
Os net use this form for proposals to drill now wells, significantly despen entailing wells below current belief, not depth, reenter plugged wells, or to drill herizontal laterals. Use APPLICATION FOR PERMIT TO CRILL form for such proposals.  1. TYPE OF WELL  OIL WELL   GAS WELL   OTHER  2. NAME OF OPERATOR:	7. UNIT OF CA AGREEMENT NAME:  8. WELL NAME and NUMBER:  TWO-FET Unit 26-30.  9. API NUMBER:  4301931452
1. TYPE OF WELL OIL WELL GAS WELL OTHER	Two-Fer Unit 26-30 • AM NUMBER: 4301931452
1. TYPE OF WELL OIL WELL GAS WELL OTHER	Two-Fer Unit 26-30 • AT NUMBER 4301931452
	4301931452
Intrania Oil & Con IIA	
3. ADDREED OF OPERATOR: 1 PHONE NUMBER:	IN LIER LAID LAGE AN AUCHONIC
700 17th St. Stre 1700 Denterous CO 219 80202   303-296-30	016
4. LOCATION OF WELL	
FOOTAGES AT SURFACE: 588 FSL, 1864 FWL, Sec 26	county. Grand
QTRIGTR, SECTION, TOWNSHIP, RANGE, MERIDIAN SESW 26 265 261	ETATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit to Duplaste)  ACIDIZE  ACIDIZE  DEEPEN  PRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate side work will start: GASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OFERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Suimit Original Form Only)  CHANGE WELL STATUS  PRODUCTION (STARTIRESUMS)	WATER SHUT-OFF
Date of werk completion:  Commingle Producing Formations Reclamation of Well Site	OTHER.
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show sill pertinent details including dates, depths, volum	
Intrepid Oil & Gas, LLC has drilled and set surface of we are trying to locate a suitable big rig to drill the proposed total depth of 6800'. We anticipate drilling will be resumed by 47% quarter 200%.	e well to its
NAME (PLEABE PRINT) KATIO KOLLOT TITLE LANDMAN SIGNIATURE KATIO KOLLOT  OATE MAY CLE  (his apace for State use only)	1,3009

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APR 1 5 2009

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOLDIVISION OF OIL, GAS AND M		6. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDR	Y NOTICES AND REPORT	'S ON WELLS	MI-49436-OBA  4. IF INDIAN ALLOTTEE OR TRIBE NAME:
	new wells, significantly deepen enteling wells below or istorals. Use APPLICATION FOR PERMIT TO GRILL		7. UNIT OF CA AGREEMENT NAME
1. TYPE OF WELL OIL WELL			8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:	TY GAS WELL [ ] OTHER		Two-Fer Unit 26-30
= ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	id Oil & Gas. IIC		4301931452
3. ADDRESS OF OPERATOR:		PHONE NUMBER:	10, FIELD AND POOL, OR WILDOAT:
700 17th St. St	e 1700 Denisema CO	<u> 80202   303-296-30</u>	W5
FOOTAGES AT SURFACE: 588	FSL, 1864 FWL, Sec	26	COUNTY: Grand
CTRIOTR, SECTION, TOWNSHIP, RAI	NOE, MERIDIAN SESW 26 268	2 <b>0</b> B	STATE: UYAH
11. CHECK APP	ROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF BURMISSION		TYPE OF ACTION	
MOTICE OF INTENT	ACIDITE	DREPEN	REPERFORATE CURRENT FORMATION
(Bubmit in Duplicate) Approximate data wark will start:	ALTER CASING CASING REPAIR	FRACTURE TREAT	SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON
TANK DANK MET AND A STANK MAN A MAN P.	CHANGE TO PREVIOUS PLANS	MEW CONSTRUCTION  OPERATOR CHANGE	TURING REPAIR
	CHANGE TUBING	MODINARA DINA BULIS	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Bulemii Original Ferm Only)	CHANGE WELL STATUS	FRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of Work completion	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR GO	MPLETED OPERATIONS. Clearly show all	pertinent datails including dates, depths, volum	15, 4(C.
Intrepid Oil &	Gas, LLC has drille	ed and set surface c	asing at2691'
		big rig to drill th	
proposed total	depth of 6800'. We	anticipate drilling	operations
will be resumed	by y'r guarter 200%	<b>"·</b>	
NAME (PLEASE PRINT) Kati	e Keljer	Yirta Landman	
BIGNATURE Later	Kulle_	DATE AMIL	15,2009
Thin agrace for State use entry)			RECEIVED
			ADD 1 F core
			APR 1 5 2009

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	STATE OF UTAH DEPARTMENT OF NATURAL RES DIVISION OF OIL, GAS AND	OURCES	FORM
		MINING	6. LEASE DESIGNATION AND SERIAL NUMBER:
	RY NOTICES AND REPOR		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposets to d drill harizon 1. TYPE OF WELL	irii new weile, significantly deepen existing weils below tel states. Use APPLICATION FOR PERMIT TO DR	w current bottom-hole depth, reanter plugged wate, or to ULL form for such proposals.	7. UNIT OF CA AGREEMENT NAME:
OIL WEI	LL 🔀 GAS WELL 🔲 OTHE	R	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:			Two-Fer Unit 26-3
S. ADDRESS OF OFERATOR:	pid Oil & Gas, LLC		4301931452
700 4745	the 1700 Nentremes do	PHONE NUMBER:	10. FIELD AND FOOL, OR WILDCAT:
4. LOCATION OF WELL	the 1700 Mentions CO	ZIF 80202   303-296-300	6
	8 FSL, 1864 FWL, Se	c 26	county: Grand
	ANGE, MERIDIAN: SESW 26 261	~ 400	STATE: UTAH
11. CHECK APP	PROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPO	RT OP OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	TI OR OTHER DATA
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submili in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	Casing Repair	MEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	DPERATOR CHANGE	TUBING REPAIR
SUBSEQUENT REPORT	CHANGE TUBING	PLUG AND ABANDON	VENT OR PLARE
(8ubmii Original Form Only)	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STAYUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show all	perlinent details including dates, depths, volumes,	, sto.
We are trying to	das, unc nas drille	ed and set surface ca	sing at2691'
proposed total	denth of const	old Lid to drill the	well to its
will be resumed	by y " quarter 200%	big rig to drill the anticipate drilling	operations
	21 9 . Quarter 2009	r •	
• •			
	i		
A EAST albit. Mr. authoris man in sur-			
AME (PLEASE PRINT) Kati	e Keller	Title Landman	
ALLEN Park	(Cello	100 hu 1	1 1 . 20

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	STATE OF UTAH DEPARTMENT OF NATURAL RESOL	JRCES		FORM
	DIVISION OF OIL, GAS AND M	INING		6. LEAGE DESIGNATION AND SERIAL NUMBER; ML-49436-OBA
SUNDR	Y NOTICES AND REPORT	S ON WE	LLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	now wells, significantly deepen extering wells below ou laterets. Use APPLICATION FOR PERMIT TO DRILL			7, UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL		form for such propo	44ls.	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:	OT THE COURT			TWO-FER 26-30
INTREPID OIL & GAS, LI	LC			9. ARI NUMBER: 4301931452
3. ADDRESS OF OPERATOR: 700 17TH ST., SUITE 1750 CA	TY DENVER STATE CO ZIE	80202	PHONE NUMBER: (303) 820-4460	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 588' F	SL, 1864' FWL, SEC, 26			COUNTY: GRAND
otrotr, section, township, ram		20E		STATE:
		_		UTAH
11. CHECK APP	ROPRIATE BOXES TO INDICAT	E NATURE	OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION			YPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CABING	FRACTURE	TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	MEW CONS	ETRUCTION	TEMPORARILY ABANDON
6/15/2009	CHANGE TO PREVIOUS FLANS	OPERATO!	RCHANGE	TUBING REPAIR
SUBSEQUENT REPORT	CHANGE TUBING	FLUG AND	·	VENT OR FLARE
(Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL
Date of work completion;	CHANGE WELL STATUS	_	ON (START/RESUME)	WATER SHUT-OFF
	COMMINGLE PRODUCING FORMATIONS  CONVERT WELL TYPE	=	ion of well site Ite - different formation	to total depth of 6700'
			COPY SENT 1	O OPERATOR
			Date: 10	17.2009
		•	initials:	45
NAME (PLEASE PRINT) Katle Keller			Landman	
late.	Kellen	TITLE		
- I - I - I - I - I - I - I - I - I - I		DATE	6/2/2009	
him space for State use only)	OVED BY THE STAT	E		
APPRO	ITAH DIVISION OF			- DD-
OF	GAS, AND MINING	i		RECEIVED
20,00)	2/17/09 A	- Parket State		•
DATE	(Gee Instruction	ans on Reverse Side	a)	JUN 0 2 2009
	Extens on Approved perm no changes in plan or a	int still	lapply	DIV. OF OIL, GAS & MINING
KK (ON	no changes in plan or a	rcomstan	Chief- American	" 6/17/09



FAX TRANSMISSION INTREPID POTASH 707 17<sup>th</sup> St., Suite 4200 Denver, CO 80202 Main #: (303) 296-3006 Fax #; (303) 820-4472

To:	(arolyn/1)//lance	Date:	6/2/09
Fax #:	801-354-3940	Pages:	_ → Including Cover Sheet
From:	Katia Kaller	<u> </u>	
Subject:	Resume Bullug	() pe	aticas
	us Two- Fee Da	-30	Well
MESSAGE	: /		0.200

Hi Carolyn.

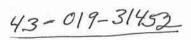
resume the drilling of The Trib. Fer 26-30 Well in The Month of June.

Please take a look at the Sendry and lot me know by it so adequate on of your will require additional information. At long lust We WIII Thanks for your help -Katu Kallen 303-820-4460

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JUN 0 2 2009

DIV. OF OIL, GAS & MINING



Well Name		wo Fer 26-3			Location		SEC 26 -	126S - R 30	E 20E
Date	7/7/09	Rig	Fror	ntier 7	Present Op	eration	Movin	g In & RU (I	MI & RU)
Day No.	1	Formation		0.004	Lithology			0000	
Depth ft	2,961	Previous D	epth	2,961	Proposed 1		450,401	6800	
Made		ft in		hrs	Drilling rate	OT	#010/0!	ft. per hr.	
10/a: lad		Chloridae		Mud		Colido		L.C.M.	
Weight VIS. Fun.		P.V.		Calcium Y.P.		Solids Gels		PH	
Water loss		Filter Cake		KCL %		Oil %		Nitrates	
vvaler 1055		- I liter Cake	·	Mud Gas	-	011 70		Milatos	
Average		Maximum		Connection		Trip		Flare	
		Mud add	ditions last	24 hours	Product 8	& Quantity			
		Attach a co	opy of mud	report					
				Bit R	Record				
WOB		RPM		_	Cumula	ative Rotatir	ng Hours	375.5	
Dull Bit No.		Size		Type		Ser No.		Jets	
Depth Out		Made	12 1/4"	ft in		Ser. No.		Dull Gr. Jets	
Present Bit #		Size Made	2,961	Type ft in		hrs.		Jets	
Depth in	Du		BOF		ation		le Drag ar	d Conditi	on Info
Marris Daniero		mps					g Weight		
Mud Pump	No. 1	No. 2	2650559	pest Casing Depth	Min. Burst		a seignt		Conditions Spots Out
Make Liner			Size 9 5/8"	2.960'	8750	Pick Up		Depth	Over Pull
Stroke			9 3/0	Shoe test	1 0730	Slack Off		Depui	Over I di
SPM			Equiv. Muc			Rotating T	orque		
GPM				Last BOP (	Check	Neutral	0.400		
Pump psi			Pressure T		SHOOK	Pick Up		Takes W	eight trip In
Slow Pump F			BOP Drill 8			Slack Off		ATUREAT.	
SPM			Drill String			Last Date	ВНА		
Pump psi			Annular Vo	l Bbls		Inspected	7/3/2009	Ft. of Fill	
, amp por	Dri	III String			ssembly (				
			and Botto		occinion (	Jonnigara		Cumula	tive ft. from
•	Drill Pipe		T - b - 1 D	T 1 Tomas	T	T	1		
Size	Weight	Grade	I upe I.D.	I.J. Type	T.J. I.D.	i. J. O.D.	Length	top of c	oliars
			-			-			
			<del>                                     </del>		-		1		
	Bottom Ho	le Assemb	lv					Cumu	lative feet
Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from t	
	1	1				1	1		
-								IC.	
		F	Report of	0		Total			
Hours				Operation	ns	Total		Drilling Co	
				Operation	ns	Total	Item		sts Daily
0600-2100	D						Item Drilling Foo	tage	
7/6/2009	Began mov	ving Frontier	Rig #7 from		ns cation south		Item Drilling Foo Drilling Day	tage	
	Green Rive	er 76 miles to	olocation	Fidelity Loc	cation south	of	Item Drilling Foo Drilling Day Water	tage work	
	Green Rive WestRock	er 76 miles to trucking mo	o location ving rig for F	Fidelity Loc		of	Item Drilling Foo Drilling Day Water Drilling Muc	tage work	
99	Green Rive WestRock	er 76 miles to	o location ving rig for F	Fidelity Loc	cation south	of	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud	tage work Cost	
9	Green Rive WestRock	er 76 miles to trucking mo	o location ving rig for F	Fidelity Loc	cation south	of	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Mud Loggin	tage work Cost g Unit	
	Green Rive WestRock	er 76 miles to trucking mo	o location ving rig for F	Fidelity Loc	cation south	of	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Mud Loggin Cement all	tage work Cost g Unit strings	
	Green Rive WestRock	er 76 miles to trucking mo at dark with	o location ving rig for F 30% of rig r	Fidelity Loc Frontier with moved	eation south	of	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud G Mud Loggin Cement all Drill Stem T	tage work Cost g Unit strings	
	Green Rive WestRock	er 76 miles to trucking mo at dark with	o location ving rig for F 30% of rig r	Fidelity Loc Frontier with moved	eation south	of	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Mud Loggin Cement all Drill Stem T	tage work Cost g Unit strings fests	
	Green Rive WestRock	er 76 miles to trucking mo at dark with	o location ving rig for F	Fidelity Loc Frontier with moved	eation south	of	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	tage work  Cost g Unit strings ests s	
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	Green Rive WestRock	er 76 miles to trucking mo at dark with	o location ving rig for F 30% of rig I	Fidelity Locarontier with moved	ation south	of	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud 6 Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well	tage work  Cost g Unit strings tests is es fell Head  Costs  Costs	\$133,780 \$133,780
	Green Rive WestRock	er 76 miles to trucking mo at dark with	o location ving rig for F 30% of rig I	Fidelity Locarontier with moved	ation south	of	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud 6 Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Dally Total Well Time Ca	tage work  Cost g Unit strings tests is es fell Head  Costs  Costs	Daily
	Green Rive WestRock	er 76 miles to trucking mo at dark with	o location ving rig for F 30% of rig I	Fidelity Locarontier with moved	ation south	of	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating	tage work  Cost g Unit strings ests ses /ell Head  Costs Costs tegory	\$133,780 \$133,780
	Green Rive WestRock	er 76 miles to trucking mo at dark with	o location ving rig for F 30% of rig I	Fidelity Locarontier with moved	ation south	of	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud 6 Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Dally Total Well Time Ca	tage work  Cost g Unit strings fests ses /ell Head  Costs Costs tegory otating)	\$133,780 \$133,780
	Green Rive WestRock	er 76 miles to trucking mo at dark with	o location ving rig for F 30% of rig I	Fidelity Locarontier with moved	ation south	of	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Gum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Rotating Drilg (non ro Csg. & Cmt Evaluation	tage work  Cost g Unit strings ests s es /ell Head  Costs Costs tegory  btating)	\$133,780 \$133,780
40000	Green Rive WestRock	er 76 miles to trucking mo at dark with	o location ving rig for F 30% of rig I	Fidelity Locarontier with moved	ation south	of	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Dally Total Well Time Ca Rotating Drlg.(non ro Csg. & Cmt	tage work  Cost g Unit strings ests s es /ell Head  Costs Costs tegory  btating)	\$133,780 \$133,780

Well Name		wo Fer 26-3			Location			26S - R 30E	
Date		Rig	Fron	tier 7	Present Op	eration	Movin	gln&RU(N	/II & RU)
Day No.		Formation		0.004	Lithology	-D		6000	<del></del>
Depth ft	2,961	Previous De		2,961	Proposed T			6800 ft. per hr.	
Made .	<del></del>	ft in		hrs <b>Mud</b>	Drilling rate	OI		it. per iii.	
187 - 1 1- 4		Oblasidas				Calida		LOM	
Weight VIS. Fun.		P.V.		Calcium Y.P.		. Solids Gels		L.C.M. PH	
Water loss		Filter Cake		KCL %		Oil %		Nitrates	
water ioss		Tiller Cake		Mud Gas		. 011 70		141114105	
Average		Maximum		Connection		Trip		Flare	
			litions last	24 hours	Product &	Quantity			
		Attach a co	py of mud	report					
				Bit R	ecord				
WOB		RPM			Cumula	ative Rotatin	g Hours	375.5	
Dull Bit No.		Size		Туре		Ser. No.		Jets	
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #		Size	12 1/4"	Type		Ser. No.		Jets	
Depth in		Made	2,961	ft in		hrs.	_		
	Pun	nps	BOP					d Condition	
Mud Pump	No. 1	No. 2		pest Casing			g Weight	, ,	onditions
Make			Size	Depth	Min. Burst				Spots Out
Liner			9 5/8"	2,960'	9265	Pick Up		Depth	Over Pull
Stroke				Shoe test		Slack Off			
SPM .			Equiv. Mud	-	N	Rotating T	orque		<u> </u>
GPM .			Pressure T	Last BOP C	neck	Neutral		Tokon M	oight frin In
Pump psi						Pick Up Slack Off		lakes w	eight trip In
Slow Pump F			BOP Drill &			Last Date	DUA	·	
			Drill String			1		E4 - 4 E !!!	
Pump psi			Annular Vo				7/3/2009	Ft. of Fill	
		II String a	ina Boπo	m Hole A	ssembly (	configura	tion	_	
	Drill Pipe								ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	ollars
					ļ				
							<del>}</del> _	<u> </u>	
	Pottom Un	le Assembl	<u>.                                    </u>		<u> </u>	<u> </u>	<u> </u>	Cumul	ative feet
Item	Quantity	O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	from b	
itemi	Guaritity	J 0.D.	i	Imeau	LDS./11	I	Length	1	
						·			
						•			
						7		I	
								L	
						Total			
		R	Report of	Operation	ns	Total		Orilling Co	
Hours		R	Report of	Operation	ns	Total	Item		sts Daily
	Cont to M						Item Drilling Foo	tage	
0600-2100	Cont. to MI	& RU Fronti	er rig #7, se	et in mud pits	s & sub base		Item Drilling Foo Drilling Day	tage	
0600-2100 7/7/2009	Stacked 11	& RU Fronti " x 10M BOF	er rig #7, se ⊃ stack on w	et in mud pits vellhead with	s & sub base 1 11" x 5M A	nnular	Item Drilling Foo Drilling Day Water	tage work	
0600-2100 7/7/2009	Stacked 11' Set in mud	& RU Fronti "x 10M BOP pumps and	er rig #7, se stack on w motors, pinr	et in mud pits vellhead with ned derrick, v	s & sub base 111" x 5M A will need to r	nnular restring	Item Drilling Foo Drilling Day Water Drilling Mud	tage work	
0600-2100 7/7/2009	Stacked 11' Set in mud drilling line i	& RU Fronti " x 10M BOF pumps and in derrick. S	er rig #7, se stack on w motors, pinr	et in mud pits vellhead with ned derrick, v	s & sub base 111" x 5M A will need to r	nnular restring	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud	tage work Cost	
0600-2100 7/7/2009	Stacked 11' Set in mud	& RU Fronti " x 10M BOF pumps and in derrick. S	er rig #7, se stack on w motors, pinr	et in mud pits vellhead with ned derrick, v	s & sub base 111" x 5M A will need to r	nnular restring	Item Drilling Foo Drilling Day Water Drilling Mud	tage work       Cost   Gunit	
0600-2100 7/7/2009	Stacked 11' Set in mud drilling line i Rig up 70%	& RU Fronti "x 10M BOP pumps and in derrick. S complete	er rig #7, se ⊃ stack on w motors, pinr potted comp	et in mud pits vellhead with led derrick, v lany man's &	s & sub base n 11" x 5M A will need to r & toolpusher	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin	tage work       Cost   g Unit   strings	
0600-2100 7/7/2009	Stacked 11' Set in mud drilling line i Rig up 70% In AM to res	& RU Fronti " x 10M BOF pumps and in derrick. S	er rig #7, see stack on we motors, pinr potted comp	et in mud pits vellhead with led derrick, lany man's & lick, fin NU B	s & sub base 111" x 5M A will need to r & toolpusher	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Mud Loggin Cement all	tage work Cost g Unit strings ests	
0600-2100 7/7/2009	Stacked 11 <sup>st</sup> Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea	& RU Fronti "x 10M BOI pumps and in derrick. S complete string drilling , manifold, g ak tours We	er rig #7, se stack on w motors, pinr potted comp tine in derri as buster a d. evening	et in mud pits rellhead with led derrick, vany man's & lock, fin NU B and mud clea	s & sub base 11" x 5M A will need to r & toolpushers GOP stack ner	nnular restring	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T	tage work Cost g Unit strings Tests	
0600-2100 7/7/2009	Stacked 11 <sup>st</sup> Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea	& RU Fronti "x 10M BOF pumps and in derrick. S complete string drilling , manifold, g	er rig #7, se stack on w motors, pinr potted comp tine in derri as buster a d. evening	et in mud pits rellhead with led derrick, vany man's & lock, fin NU B and mud clea	s & sub base 11" x 5M A will need to r & toolpushers GOP stack ner	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log	tage work Cost g Unit strings ests ess	
0600-2100 7/7/2009	Stacked 11 <sup>st</sup> Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea	& RU Fronti "x 10M BOI pumps and in derrick. S complete string drilling , manifold, g ak tours We	er rig #7, se stack on w motors, pinr potted comp tine in derri as buster a d. evening	et in mud pits rellhead with led derrick, vany man's & lock, fin NU B and mud clea	s & sub base 11" x 5M A will need to r & toolpushers GOP stack ner	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	tage work Cost g Unit strings ests ess	
0600-2100 7/7/2009	Stacked 11 <sup>st</sup> Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea	& RU Fronti "x 10M BOI pumps and in derrick. S complete string drilling , manifold, g ak tours We	er rig #7, se stack on w motors, pinr potted comp tine in derri as buster a d. evening	et in mud pits rellhead with led derrick, vany man's & lock, fin NU B and mud clea	s & sub base 11" x 5M A will need to r & toolpushers GOP stack ner	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	tage work Cost g Unit strings ests ess	
0600-2100 7/7/2009	Stacked 11 <sup>st</sup> Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea	& RU Fronti "x 10M BOI pumps and in derrick. S complete string drilling , manifold, g ak tours We	er rig #7, se stack on w motors, pinr potted comp tine in derri as buster a d. evening	et in mud pits rellhead with led derrick, vany man's & lock, fin NU B and mud clea	s & sub base 11" x 5M A will need to r & toolpushers GOP stack ner	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	tage work Cost g Unit strings ests s es cell Head	Daily
0600-2100 7/7/2009	Stacked 11 <sup>st</sup> Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea	& RU Fronti "x 10M BOI pumps and in derrick. S complete string drilling , manifold, g ak tours We	er rig #7, se stack on w motors, pinr potted comp tine in derri as buster a d. evening	et in mud pits rellhead with led derrick, vany man's & lock, fin NU B and mud clea	s & sub base 11" x 5M A will need to r & toolpushers GOP stack ner	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Gum. Mud Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	tage work  Cost g Unit strings rests s es (ell Head	\$22,045
0600-2100 7/7/2009	Stacked 11 <sup>st</sup> Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea	& RU Fronti "x 10M BOI pumps and in derrick. S complete string drilling , manifold, g ak tours We	er rig #7, se stack on w motors, pinr potted comp tine in derri as buster a d. evening	et in mud pits rellhead with led derrick, vany man's & lock, fin NU B and mud clea	s & sub base 11" x 5M A will need to r & toolpushers GOP stack ner	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well	tage work  Cost g Unit strings rests s es fell Head  Costs  Costs  Costs	\$22,045 \$155,825
0600-2100 7/7/2009	Stacked 11 <sup>st</sup> Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea	& RU Fronti "x 10M BOI pumps and in derrick. S complete string drilling , manifold, g ak tours We	er rig #7, se stack on w motors, pinr potted comp tine in derri as buster a d. evening	et in mud pits rellhead with led derrick, vany man's & lock, fin NU B and mud clea	s & sub base 11" x 5M A will need to r & toolpushers GOP stack ner	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Dally Total Well Time Ca	tage work  Cost g Unit strings rests s es fell Head  Costs  Costs  Costs	\$22,045
0600-2100 7/7/2009	Stacked 11 <sup>st</sup> Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea	& RU Fronti "x 10M BOI pumps and in derrick. S complete string drilling , manifold, g ak tours We	er rig #7, se stack on w motors, pinr potted comp tine in derri as buster a d. evening	et in mud pits rellhead with led derrick, vany man's & lock, fin NU B and mud clea	s & sub base 11" x 5M A will need to r & toolpushers GOP stack ner	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud & Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Dally Total Well Time Ca Rotating	tage work  Cost g Unit strings ests s es (ell Head	\$22,045 \$155,825
0600-2100 7/7/2009	Stacked 11 <sup>st</sup> Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea	& RU Fronti "x 10M BOI pumps and in derrick. S complete string drilling , manifold, g ak tours We	er rig #7, se stack on w motors, pinr potted comp tine in derri as buster a d. evening	et in mud pits rellhead with led derrick, vany man's & lock, fin NU B and mud clea	s & sub base 11" x 5M A will need to r & toolpushers GOP stack ner	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud & Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drig.(non ro	tage work  Cost g Unit strings ests s es (ell Head	\$22,045 \$155,825
0600-2100 7/7/2009	Stacked 11 <sup>st</sup> Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea	& RU Fronti "x 10M BOI pumps and in derrick. S complete string drilling , manifold, g ak tours We	er rig #7, se stack on w motors, pinr potted comp tine in derri as buster a d. evening	et in mud pits rellhead with led derrick, vany man's & lock, fin NU B and mud clea	s & sub base 11" x 5M A will need to r & toolpushers GOP stack ner	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drig.(non ro Csg. & Cmt	tage work  Cost g Unit strings ests s es (ell Head	\$22,045 \$155,825
0600-2100	Stacked 11 <sup>st</sup> Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea	& RU Fronti "x 10M BOI pumps and in derrick. S complete string drilling , manifold, g ak tours We	er rig #7, se stack on w motors, pinr potted comp tine in derri as buster a d. evening	et in mud pits rellhead with led derrick, vany man's & lock, fin NU B and mud clea	s & sub base 11" x 5M A will need to r & toolpushers GOP stack ner	nnular restring	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drig.(non rc Csg. & Cml Evaluation	tage work  Cost g Unit strings ests s es /ell Head  Costs Costs tegory otating)	\$22,045 \$155,825
0600-2100 7/7/2009	Stacked 11' Set in mud drilling line i Rig up 70% In AM to res RU flowline Plan to brea Brian Peters	& RU Fronti "x 10M BOI pumps and in derrick. S complete string drilling , manifold, g ak tours We	er rig #7, se stack on w motors, pinn potted comp line in derri las buster a d. evening afety Rep or	et in mud pits vellhead with hed derrick, v pany man's & lick, fin NU B nd mud clea	s & sub bases 111" x 5M A will need to r & toolpusher GOP stack ner r Rig Up	nnular restring s trailers.	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drig.(non ro Csg. & Cmt	tage work  Cost g Unit strings ests s es /ell Head  Costs Costs tegory  tating) .	\$22,045 \$155,825

Well Name		wo Fer 26-3			Location			26S - R 30E	
Date	7/9/09	Rig	Fron	ntier 7	Present Op	eration	Fin. Lestin	g BOP's & RI	J Gas Buster
Day No.	3	Formation			Lithology				
Depth ft	2,961	Previous De		2,961	Proposed T			6800	
Made		ft in		hrs	Drilling rate	OT		ft. per hr.	
				Mud		0 " "			
Weight		Chlorides		Calcium		Solids		L.C.M.	
VIS. Fun.		P.V.		Y.P.		- Gels Oil %		PH Nitrates	
Water loss		Filter Cake		KCL % Mud Gas		- 011 %		Nillales	
Augraga		Maximum		Connection		Trip		Flare	
Average			litions last			& Quantity		·	
		muu auc	iitioiis iast	2 <del>4</del> 110013	11000000	x additity			
NOTE: Notifie	nd Bart Kott	lo with LIO	GC on unc	omina toet	and he wais	ed witness	ing of the to		
NOTE: NOTITE	o bart Neti	ile with OO	GC on upce		ecord	rea williess	ing or the te	;st.	<del></del>
MOD		DDM		DILK		ativa Datatia	a Hausa	375.5	
WOB Dull Bit No.		RPM Size		Type	Cumul	ative Rotatin Ser. No.	y nours	Jets	
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #		Size	12 1/4"	Type		Ser. No.		Jets	
Depth in		Made	2,961	ft in		hrs.	Avg. ft./hr.	•	
Беритіп	Dur	nps	BOF		ation		•	d Condition	nn Info
Mud Pump	No. 1	No. 2		pest Casing			Weight		onditions
Make	140. 1	NO. 2	Size	Depth	Min. Burst		veigni		Spots Out
Liner			9 5/8"	2,960'	9265	Pick Up		Depth	Over Pull
Stroke			3 3/0	Shoe test	0200	Slack Off		Dopui	0 101 1 411
SPM			Equiv. Mud			Rotating T	orque		
GPM				Last BOP (	heck	Neutral			
Pump psi			Pressure T			Pick Up		Takes Weig	ht trip in
Slow Pump F			BOP Drill 8			Slack Off			
SPM			Drill String			Last Date I	ЗНА		
Pump psi			Annular Vo			Inspected	7/3/2009	Ft. of Fill	
Tump por	Dri	II String a			ssembly (	Configura		,	
		n Samg a	iila Botto	III HOIC A	ssembly (	Joinigula		Cumulat	ive ft. from
0: -	Drill Pipe	0	Tube I D	T I Time	T	T . O.D	Lameth		
Size	Weight	Grade	Tube I.D.	I.J. IYPE	1.J. 1.D. l	T. J. O.D.	Length I	top of co	Jilais
					<del>-</del>	<del>                                     </del>			
								<del></del>	
			1			1			
	Bottom Ho	le Assembl	 v					Cumu	ative feet
Item	Bottom Ho Quantity	le Assembl O.D.	<u> </u> у I.D.	Thread	Lbs./ft	Grade	Length	Cumul from b	
Item				Thread	Lbs./ft	Grade	Length		
Item				Thread	Lbs./ft	Grade	Length		
Item				Thread	Lbs./ft	Grade	Length		
Item				Thread	Lbs./ft	Grade	Length		
Item				Thread	Lbs./ft	Grade	Length		
Item				Thread	Lbs./ft	Grade	Length		
Item				Thread	Lbs./ft	Grade	Length		
Item				Thread	Lbs./ft	Grade	Length		
Item				Thread	Lbs./ft		Length		
Item		O.D.	I.D.			Grade		from b	it
		O.D.	I.D.	Thread					sts
Hours	Quantity	O.D.	I.D.	Operation	ns.	Total	[ Item	from b	it
Hours 0600 to 1000	Quantity  Change out	O.D.	I.D.	Operation	ns.	Total	[ Item Drilling Foo	from b	sts
Hours 0600 to 1000 1000 to 1100	Quantity  Change out	O.D.  For drilling line ock	I.D.  Report of	Operation age on rig m	ns ove & restri	Total mg blocks	Item Drilling Foo	from b	sts
Hours 0600 to 1000	Change out Raise derric P/up BOP s	O.D.  For a drilling line ck stack & insta	I.D.  Report of	Operation age on rig m	ns ove & restri	Total mg blocks	Item Drilling Foo Drilling Day Water	from b	sts
Hours 0600 to 1000 1000 to 1100 1100 to 1200	Change out Raise derric P/up BOP s head flange	O.D.  F t drilling line k stack & insta	Report of	Operation age on rig m	ns ove & restriction will file	Total  ng blocks it rotating	Item Drilling Foo Drilling Day Water Drilling Muc	from b	sts
Hours 0600 to 1000 1000 to 1100	Change out Raise derric P/up BOP s head flange Finish rig u	F t drilling line ck stack & insta	Report of due to dama	Operation age on rig m	ns ove & restriction will file	Total  ng blocks it rotating	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud (	from b  Prilling Co  tage work	sts
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800	Change out Raise derric Plup BOP s head flange Finish rig u lines & pow	F t drilling line ck stack & insta	Report of due to dama	Operation age on rig mer spool so flee	ove & restrictions will file the will file ks & hook u	Total  Ing blocks It rotating In phone	Item Drilling Foo Drilling Day Water Drilling Muc	from b	sts
Hours 0600 to 1000 1000 to 1100 1100 to 1200	Change out Raise derric P/up BOP s head flange Finish rig u lines & pow Rig on day	Fit drilling line ck stack & instact p p back yard er to trailers rate @ 18:0	Report of due to dam: 11 18" space set in Newp	Operation age on rig mer spool so flee	ove & restrii	Total  Ing blocks It rotating In phone It up	Item Drilling Foo Water Drilling Muc Cum. Mud ( Mud Loggin	from b  Prilling Co  tage work  Cost g Unit strings	sts
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800	Change out Raise derric P/up BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasser	O.D.  ft drilling line ck stack & instace p back yard er to trailers rate @ 18:0 kelly & kelly & stand for	Report of due to dam: Ill 18" space set in Newp 0 hours 7/9/ spinner. Se	Operation age on rig m r spool so fle ark bulk tan (2009. Set in t in flow line or & set mud	ove & restrictions will file will fi	Total  Total  It rotating  p phone  ig up  ead. Set	Item Drilling Foo Drilling Muc Cum. Mud Mud Loggin Cement all	from b  Prilling Co  tage work  Cost g Unit strings Tests	sts
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800	Change out Raise derric P/up BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasser	O.D.  ft drilling line ck stack & instace p back yard er to trailers rate @ 18:0 kelly & kelly & stand for	Report of due to dam: Ill 18" space set in Newp 0 hours 7/9/ spinner. Se	Operation age on rig m r spool so flue ark bulk tan 2009. Set in	ove & restrictions will file will fi	Total  Total  It rotating  p phone  ig up  ead. Set	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud t Mud Loggin Cement all Drill Stem T	Prilling Co tage work Cost g Unit strings ests	sts
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800 1800 to 2300	Change out Raise derric P/up BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasser lines to deg bolts to BO	Fit drilling line ck stack & instact of the control	Report of due to dama all 18" space set in Newp to hours 7/9/ spinner. Se' mud cleaner d cleaner 85	Operation age on rig m or spool so flue ark bulk tan 2009. Set in tin flow line er & set mud 3% done. B &	ove & restriction will file to the second of	Total  Total  Total  p phone  ig up  ead. Set lum in  sst tighten	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log	Prilling Co tage work Cost g Unit strings ests ss es	sts
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800	Change out Raise derric P/up BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasser lines to deg bolts to BO Make up lor	Fit drilling line ck stack & instact of trailers rate @ 18:0 kelly & kelly & stand for asser & mure.	Report of due to dama all 18" space set in Newp spinner. See mud cleaner d cleaner 85 ve & saver s	Operation age on rig m or spool so fle ark bulk tan 2009. Set in t in flow line t in flow line or & set mud of done. B & sub & test loo	ove & restriction will file to the second of	Total  Total  Total  p phone  ig up  ead. Set  lum in  st tighten  ve to 500	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Ioggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	from b  Prilling Co  tage work  Cost g Unit strings Fests js es /ell Head	sts
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800 1800 to 2300	Change out Raise derric P/up BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasser jolts to BO Make up loo low 5 min. &	Fit drilling line ck stack & installers rate @ 18:0 kelly & kelly r & stand for asser & much p.	Report of due to dama all 18" space set in Newp control of hours 7/9/ spinner. Se' mud cleaner 85 ve & saver se' or 10 min. P	Operation age on rig m or spool so fle eark bulk tan (2009. Set in t in flow line er & set mud 3% done. B & sub & test lov ick up joint of	ove & restriction will file to the work of	Total  Total  Total  Total  p phone  ig up  ead. Set  lum in  sst tighten  ve to 500  n/u test	Item Drilling Foo Water Drilling Mud Cum. Mud loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W See Daily (	Prilling Co tage work Cost g Unit strings ests ss es	sts
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800 1800 to 2300	Change out Raise derric Plup BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasser lines to deg bolts to BO Make up lor low 5 min. & plug & test	Fit drilling line ck stack & installers rate @ 18:0 kelly & kelly & sand for asser & murp.  wer kelly var & 8000 psi follower rams,	Report of due to dama all 18" space set in Newp 3. 0 hours 7/9/ spinner. Set mud cleaner 85 ve & saver set or 10 min. P	Operation age on rig m or spool so fle eark bulk tan (2009. Set in t in flow line er & set mud 5% done. B & sub & test lo ick up joint c 8 upper rar	ove & restrii  ow line will fi  ks & hook u  rig floor & r  & rotating h  cleaner & p  & C Quick te  wer kelly val  of drill pipe m  ms to 500 ps	Total  Total  Total  Total  p phone  ig up  ead. Set  lum in  sst tighten  ve to 500  n/u test  si low 5 min.	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W See Daily ( Other	from b  Prilling Co  tage work  Cost g Unit strings ests es /ell Head  Cost Sheet	sts Daily
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800 1800 to 2300	Change out Raise derric Plup BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasser lines to deg bolts to BO Make up lov low 5 min. & plug & test & 8000 psi	F. drilling line ck stack & installers rate @ 18:0 kelly & kelly & stand for asser & murp.  wer kelly vard. & 8000 psi follower rams, high 10 min.	Report of due to dama all 18" space set in Newp control of the set in Newp	Operation age on rig m or spool so fle ark bulk tan (2009. Set in t in flow line er & set mud 5% done. B & sub & test lov ick up joint c & upper rar to 500 low &	ove & restrii  ow line will fil  ks & hook u  rig floor & r  & rotating h cleaner & p  & C Quick te  wer kelly val  fi drill pipe m  ns to 500 ps  3500 high.	Total  Total  Total  Total  Total  It rotating  p phone  ig up  ead. Set  lum in  sst tighten  ve to 500  vu test  is low 5 min.  Test csg.	Item Drilling Foo Drilling Day Water Orilling Muc Cum. Mud Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W See Daily ( Other Cum. Daily	from b  Prilling Co  tage work  Cost g Unit strings rests ss rest // Cost Sheet	sts Daily  \$22,367
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800 1800 to 2300	Change out Raise derric P/up BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasser lines to deg bolts to BO Make up loo Make up loo Make up loo Jow 5 min. & Journal of the services	o.D.  drilling line ck stack & insta p back yard rer to trailers rate @ 18:0 kelly & kelly s stand for asser & mur number of the companies of	Report of due to dam: all 18" space set in Newp i. 0 hours 7/9 spinner. Se' mud cleaner d cleaner 85 ve & saver s or 10 min. P middle rams test hydrill for 30 min.	Operation age on rig m or spool so fle ark bulk tan (2009. Set in t in flow line er & set mud 5% done. B & sub & test lor ick up joint c & upper rar to 500 low & test out side	ove & restrii  ow line will fil  ks & hook u  rig floor & r  & rotating h cleaner & p  & C Quick te  wer kelly val  f drill pipe m ns to 500 ps  3500 high.  manual val	Total  Total  Total  Total  Total  It rotating  p phone  ig up  ead. Set  lum in  sst tighten  ve to 500  n/u test  is low 5 min.  Test csg. ves & HCR	Item Drilling Foo Drilling Day Water Orilling Muc Cum. Mud Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W See Daily ( Other Cum. Daily Total Well	from b  Prilling Co  tage work  Cost g Unit strings rests ss rest // Cost Cost Sheet  Costs Costs	sts Daily  \$22,367 \$178,192
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800 1800 to 2300	Change out Raise derric P/up BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasset lines to deg bolts to BO Make up lot low 5 min. & plug & test to 500 low & & Choke m	o.D.  I drilling line ck stack & instace of trailers rate @ 18:0 kelly & kelly casser & mure wer kelly varak & 8000 psi for lower rams, high 10 min. & 3500 high anifold to 50	Report of due to dam: all 18" space set in Newp 0 hours 7/9/ spinner. Se' mud cleaner d cleaner 85 ve & saver s or 10 min. P middle rams test hydrill for 30 min. 0 low 5 min.	Operation age on rig m or spool so flo ark bulk tan (2009. Set in t in flow line er & set mud 5% done. B & sub & test lo ick up joint c is & upper rar to 500 low & test out side & 8000 high	ove & restriction over the second of the sec	Total  Total  Total  Total  Total  p phone  ig up  ead. Set  lum in  st tighten  ve to 500  vu test  is low 5 min.  Test csg.  ves & HCR  test good.	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Loggin Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W See Daily ( Other Cum. Daily Total Well Time Ca	from b  Prilling Co  tage work  Cost g Unit strings rests ss rest // Cost Cost Sheet  Costs Costs	sts Daily  \$22,367
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800 1800 to 2300	Change out Raise derric P/up BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasset lines to deg bolts to BO Make up lot low 5 min. & plug & test to 500 low & & Choke m Rig down te	o.D.  drilling line ck stack & insta p back yard er to trailers takelly & kelly & kelly & stand for asser & mu p. wer kelly var & 8000 psi fo lower rams, high 10 min. & 3500 high anifold to 50 esters & set	Report of due to dam: all 18" space set in Newp 0 hours 7/9/ spinner. Se' mud cleaner d cleaner 85 ve & saver s or 10 min. P middle rams test hydrill for 30 min. 0 low 5 min wear bushir	Operation age on rig m or spool so flo ark bulk tan (2009. Set in t in flow line or & set mud 5% done. B & sub & test lo ick up joint c is & upper rar to 500 low & test out side & 8000 high or While test	ove & restriction over the second of the sec	Total  Total  Total  Total  Total  It rotating  p phone  ig up  ead. Set  lum in  sst tighten  ve to 500  n/u test  is low 5 min.  Test csg. ves & HCR	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W See Daily ( Other Cum. Daily Total Well Time Ca Rotating	from b  Prilling Co  tage  tage  tage  tage  tost  g Unit  strings  rests  ss  ses  /ell Head  Cost Sheet  Costs  Costs  tagory	sts Daily  \$22,367 \$178,192
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800 1800 to 2300	Change out Raise derric P/up BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasser lines to deg bolts to BO Make up lov low 5 min. & plug & test & 8000 psi to 500 low d & Choke m Rig down te from 5" to 6	Fit drilling line ck stack & instact of trailers rate of trailers rate of trailers as welly & kelly & kelly var. & stand for asser & mur. P. wer kelly var. & 8000 psi follower rams, high 10 min. & 3500 high anifold to 50 sters & set." on numbe	Report of due to dama all 18" space set in Newp so on hours 7/9/ mud cleaner 85 or 10 min. P middle rams test hydrill for 30 min. 100 low 5 min wear bushir r 1 mud pun	Operation age on rig m or spool so fle ark bulk tan 2009. Set int it in flow line er & set mud 5% done. B & sub & test lor ick up joint c 8 upper rar to 500 low 8 test out side & 8000 high g. While tes np.	ove & restriction will find the second of th	Total  To	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W See Daily ( Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro	from b  Prilling Co  tage  twork  Cost g Unit strings ests ses /ell Head  Cost Sheet  Costs tegory  btating)	sts Daily  \$22,367 \$178,192
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800 1800 to 2300	Change out Raise derric P/up BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasser lines to deg bolts to BO Make up lon low 5 min. & plug & test & 8000 psi to 500 low a & Choke m Rig down te from 5" to 6 Rig up flow	Fit drilling line ck stack & instact of trailers rate of 18:0 kelly as stand for asser & mure. Wer kelly var. & 8000 psi follower rams, high 10 min. & 3500 high anifold to 50 sters & set or on numbe line to rotat	Report of due to dama all 18" space set in Newp spinner. See mud cleaner d cleaner 85 or 10 min. P middle rams test hydrill for 30 min. Wear bushir r 1 mud pun ing head & r	Operation age on rig m or spool so fle ark bulk tan 2009. Set int tin flow line to flow line set mud set as to mod set to side test out side test out side 8 8000 high g. While tes np. rig up turn bu	ove & restriction will find the second of th	Total  To	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W See Daily ( Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro Csg. & Cmi	from b  Prilling Co  tage  twork  Cost g Unit strings ests ses /ell Head  Cost Sheet  Costs tegory  btating)	sts Daily  \$22,367 \$178,192
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800 1800 to 2300	Change out Raise derric P/up BOP s head flange Finish rig u lines & pow Rig on day floor & p/u I in degasser lines to deg bolts to BO Make up lor low 5 min. & plug & test & 8000 psi to 500 low 6 & Choke m Rig down te from 5" to 6 Rig up flow Accepted I	Fit drilling line ck stack & installers rate @ 18:0 kelly & kelly & stand for a stand for	Report of due to dama all 18" space set in Newp i. 0 hours 7/9/ spinner. Se' mud cleaner 85 or 10 min. P middle rams test hydrill for 30 min. 10 low 5 min wear bushir r 1 mud pun ing head & i 0 Hrs 7/8/09	Operation age on rig m or spool so fle ark bulk tan (2009. Set in t in flow line er & set mud 3% done. B & sub & test lo ick up joint c 6 & upper rar to 500 low & test out side & 8000 high g. While tes np. ig up turn be	ove & restriction will file will file will file will file will file were kelly valued for the file were kell with the file were kelly valued for the file were kelly wer	Total  To	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W See Daily ( Other Cum. Daily Total Well Time Ca Rotating Drlg. (non rc Csg. & Cmt Evaluation	from b  From b  Prilling Co  tage work  Cost g Unit strings rests ses /ell Head  Cost Sheet  Costs tegory  ptating)	sts Daily  \$22,367 \$178,192
Hours 0600 to 1000 1000 to 1100 1100 to 1200 1200 to 1800 1800 to 2300	Change out Raise derric P/up BOP s head flange Finish rig up lines & pow Rig on day floor & p/u l in degasser jines to deg bolts to BO Make up loo low 5 min. & plug & test & 8000 psi to 500 low 6 & Choke m Rig down tes from 5" to 6 Rig up flow Accepted I Brian Peter	Fit drilling line ck stack & instact of the ck stack & instack & instact of the ck stack & instact of the ck stack & instack & i	Report of due to dama all 18" space set in Newp i. 0 hours 7/9/ spinner. Se' mud cleaner 85 or 10 min. P middle rams test hydrill for 30 min. 10 low 5 min wear bushir r 1 mud pun ing head & i 0 Hrs 7/8/09	Operation age on rig m or spool so fle eark bulk tan 2009. Set in tin flow line er & set mud is done. B & sub & test lo ick up joint to ick up	ove & restriction over the second of the sec	Total  To	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W See Daily ( Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro Csg. & Cmt Evaluation Unschedule	from b  from b  prilling Co  tage work  Cost g Unit strings ests ses /ell Head  Cost Sheet  Costs tegory  ptating)  dd Events	sts Daily  \$22,367 \$178,192

	Well Name	T	wo Fer 26-3	0		Location			26S - R 30E	
	Date	7/10/09	Rig	Fron	ntier 7	Present Op	eration	PU DP & R	IH @ 1,500'	TO TAG CMT
	Day No.	4	Formation			Lithology				
	Depth ft	2,961	Previous De	epth	2,961	Proposed T			6800	
	Made		ft in		hrs	Drilling rate	of		ft. per hr.	
					Mud					
	Weight	10.1		200,000			Solids		L.C.M.	
	VIS. Fun.	29	P.V.		Y.P.		Gels		PH	
	Water loss		Filter Cake		KCL %		Oil %		Nitrates	
	_				Mud Gas		<b>-</b> .			
	Average		Maximum	<del></del>	Connection		Trip		Flare	
			Mud add	litions last	24 nours	Product	& Quantity			
			-							
			<del></del>							
					BITR	ecord				
	WOB		RPM			Cumula	ative Rotatin	g Hours	<u>375.5</u>	
	Dull Bit No.		Size		Type		Ser. No.		Jets	
	Depth Out		Made		ft in	140/1 00	hrs. Ft/hr		Dull Gr.	2 × 20
	Present Bit #	1	Size	8.5"	Type	MXL-09_		5162191	Jets	3 X 28
	Depth in		Made	Hughes	ft in	-41	hrs.	Avg. ft./hr.	al On a disti	
			nps	BOF					d Condition	
	Mud Pump	No. 1	No. 2	•	pest Casing			Weight		onditions
	Make			Size	Depth	Min. Burst				Spots Out
	Liner	6"	6"	9 5/8"	2,960'	9265	Pick Up		Depth	Over Pull
	Stroke				Shoe test		Slack Off			
	SPM			Equiv. Mud		Nh a a la	Rotating T	orque		
	GPM				Last BOP C	леск	Neutral		Tales Mais	ht trin In
	Pump psi			Pressure T			Pick Up Slack Off		Takes Weig	ni irip in I
	Slow Pump F	<u> </u>		BOP Drill 8		3	Last Date	- LIA		
	SPM			Drill String			1			
	Pump psi			Annular Vo		18	Inspected	39997	Ft. of Fill	
		Dri	II String a	and Botto	m Hole As	ssembly (	Configura	tion		
		Drill Pipe							Cumulat	ive ft. from
	Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	llars
		1				1	]			_
							<b>.</b>			
		<b>Bottom Ho</b>	le Assembl	y						ative feet
	ltem	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from b	it
	Bit	1	8 1/2		4-1/2 reg	99		1		
	Bit sub	1	6 1/2	3	41/2reg/xo	_		3	3	
	Monel	1	6 10/27	2 3/4	4-1/2 xo	93		29.96	32.96	
	Dill collars	17	6 1/4	2 1/2	4-1/2 xo	92		518.06	551.02	
		<u> </u>		Ļ	ļ				551.02	
						<del>                                     </del>			551.02	
		<del></del>				<b></b>	<u> </u>		551.02 551.02	<del>_</del>
		<del>                                     </del>		<del> </del>	ļ	<del> </del>	-	<b></b> -	551.02	
		<del> </del> -		<del> </del>	<u> </u>		Total	552.02	331.02	
		<u> </u>		lanot of	Operation	<u> </u>	1 TOTAL		rilling Co	ete
		f	F	rehour or	Operation	12			orilling Co	
	Hours	l				-:-! 0:! 0 0-		Item		Daily
	0600 to 0630		ua meeting	WILL DOLD CO	ews on inter	più Oli & Ga		Drilling Fool Drilling Day	•	
	0000 +- 0400	expections.	bulanta O inc	stall lines fro	an and busts	r to flow line	2 floro	Water	WOIK	
	0630 to 2100				I lines from n			Drilling Mud		
			aco continue	a ilg up muu	i ililes li olit li	iluu cieariei	to muu	Cum. Mud (		
	2100 to 2200	pits.	r and transfe	or 538 bble /	of 10.1 ppg k	orine from In	ternid	Mud Loggin		
	2100 (0 2200		mud pits. E			ornie nom m	torpia	Cement all	-	
	2200 to 0000					out & stran	RHA #1	Drill Stem T		
•	2200 10 0000		igging up su		noator a lay	out a strap	5(1)(1)	Electric Log		
	0000 to 0230				hit he with f	loat & haffle	P/U &	Bits, Suppli		
•	0000 10 0200		DC & 17ea.6			out a sumo	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Casing & W		
•	0230 to 0300					ace pop off o	on #1			<del></del>
•	0200 10 0000				Vhile move 8			1		
	0300 to 0500				drill pipe to			Other		
			in to tag top							\$34,934
								Cum. Daily	Costs	
	0500 to 0530 0530 to 0600	Repair rota	ry spocket					Cum. Daily Total Well		\$213,126
	0500 to 0530	Repair rota	ry spocket						Costs	
	0500 to 0530	Repair rota	ry spocket					Total Well	Costs	\$213,126
	0500 to 0530	Repair rota	ry spocket					Total Well Time Ca	Costs tegory	\$213,126
	0500 to 0530	Repair rota	ry spocket					Total Well Time Ca Rotating	Costs tegory tating)	\$213,126
	0500 to 0530	Repair rota	ry spocket					Total Well Time Ca Rotating Drlg.(non ro	Costs tegory tating)	\$213,126
	0500 to 0530	Repair rota	ry spocket					Total Well Time Ca Rotating Drlg.(non ro Csg. & Cmt	costs tegory stating)	\$213,126

Well Name	-	F 26 2	0		Lagation		SEC 26 7	1366 B 30E
Date		wo Fer 26-3 Rig		ntier 7	Location Present Op	eration		Г 26S - R 30E ing ahead @ 3,277'
Day No.	5	Formation		alt 6	Lithology	Gration		ing ancad (a) 0,217
Depth ft	3,271	Previous De		2,961	Proposed T	.D		6800
/lade	310	ft in	8	hrs	Drilling rate		38.75	ft. per hr.
				Mud				• •
Veight	10.2	Chlorides	200,000	Calcium	4000	Solids	0.2	L.C.M.
/IS. Fun.	28	P.V.	200,000	Y.P.	-1000	Gels		PH 8.5
Nater loss	50	Filter Cake		KCL %		Oil %		Nitrates
		, I mor oako		Mud Gas		. 0., 70		
Average BGG	14 Units	Maximum		Connection		Trip		Flare
o.ago Boo			litions last			Quantity		
				Bit R	ecord			
VOB	15 to20	RPM	75/85	<b></b>		ative Rotatin	na Hours	383.5
Oull Bit No.	10 1020	Size	10/00	Туре	Garrian	Ser. No.	.g . loui.c	Jets
Depth Out		Made		ft in		hrs. Ft/hr	-	Dull Gr.
Present Bit #	1	Size	8.5"	Type	MXL-09	Ser. No.	5162191	Jets 3 X 28
Depth in	2974	Made	297	ft in	8	hrs.	Avg. ft./hr.	37.13
Jopan III		mps	BOF	•				d Condition Info.
Accel Decemb							g Weight	Trip Conditions
flud Pump	No. 1	No. 2		pest Casing	Set Min, Burst		g weignt 98K	Tight Spots Out
/lake	6"	6"	Size 9 5/8"	Depth		ľ	100K	Depth Over Pu
iner		10"	9 3/8	2,960'	9265	Pick Up		Deput Over Pu
Stroke	10"	10"	English MA	Shoe test	NI A	Slack Off	96K	
SPM	80	<u> </u>	Equiv. Muc		NA_	Rotating T	orque	<del></del>
SPM .	260			Last BOP (		Neutral		T-1 14/-1 1 1 1 1 1
Pump psi	420		Pressure T		8,000	Pick Up		Takes Weight trip In
low Pump F			BOP Drill 8			Slack Off		L
SPM .			Drill String	Vol. Bbls.	40	Last Date	BHA	
Pump psi			Annular Vo	i. Bbls.	170	Inspected	07/3/09	Ft. of Fill
	Dri	II String a	nd Botto	m Hole A	ssembly (	onfigura	tion	
	Drill Pipe	_						Cumulative ft. fron
S:		Grade	Tubo I D	T.J. Type	T 1 1D	T I OD	Length	top of collars
Size	Weight		3.826	4 1/2" XH		1. J. O.D.	2720'	2720'
4-1/2"	16.6	G Pipe	3.020	4 1/2 AFT	<del></del>	<del>                                     </del>	2120	2120
<del></del>					<del> </del> -	·		
	Bottom Ho	le Assembl					L	Cumulative feet
Item	Quantity	O.D.	у 1.D.	Thread	Lbs./ft	Grade	Length	from bit
Bit		8 1/2	1.D.	4-1/2 reg		I	1 1	1
	1	6 1/2	3	41/2reg/xo		<b></b>	3	3
Bit sub	1			4-1/2 xo		į.		
Monel		6 10/27	2 3/4		1 02	l	20.06	
		6 4/4			93		29.96	32.96
Dill collars	17	6 1/4	2 1/2	4-1/2 xo	93 92		29.96 518.06	551.02
Dili collars	17	6 1/4						551.02 551.02
Dili collars	17	6 1/4						551.02 551.02 551.02
DIII collars	17	6 1/4						551.02 551.02 551.02 551.02
Dili Collars	17	6 1/4						551.02 551.02 551.02 551.02 551.02
Dill Collars	17	6 1/4					518.06	551.02 551.02 551.02 551.02
Dili collars	17		2 1/2	4-1/2 xo	92	Total	518.06 552.02	551.02 551.02 551.02 551.02 551.02 551.02
DIII COllars	17		2 1/2		92	Total	518.06 552.02	551.02 551.02 551.02 551.02 551.02
Hours	17		2 1/2	4-1/2 xo	92	Total	518.06 552.02	551.02 551.02 551.02 551.02 551.02 551.02
Hours 0600 to 0930	P/UP drill p	Roipe & RIH to	2 1/2 Report of	4-1/2 xo Operation	92	Total	518.06 552.02 Item Drilling Foo	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs  Daily
Hours 0600 to 0930 930 to 1100	P/UP drill p	Ripe & RIH to	2 1/2 Report of 2705' tag our vey tool	4-1/2 xo Operation	92	Total	518.06 552.02 Item	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs  Daily
Hours 0600 to 0930 330 to 1100 1100 to 1130	P/UP drill p Three miss Install rotati	R ipe & RIH to runs with su ing head rub	2 1/2 Report of 2705' tag our vey tool	4-1/2 xo Operation	92	Total	518.06 552.02 Item Drilling Foo	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs  Daily
Hours 0600 to 0930 930 to 1100 1100 to 1130 130 TO 1200	P/UP drill p Three miss Install rotati Rig service	Ripe & RIH to runs with suing head rub	2 1/2 Report of 2705' tag curvey tool ber	4-1/2 xo  Operation	92 92		518.06  552.02  Item Drilling Foo Drilling Day Water Drilling Muc	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs  Daily tage  work
Hours 0600 to 0930 930 to 1100 1100 to 1130 130 TO 1200	P/UP drill p Three miss Install rotati Rig service	Ripe & RIH to runs with suing head rub	2 1/2 Report of 2705' tag curvey tool ber	4-1/2 xo  Operation	92 92		518.06  552.02  Item Drilling Foo Drilling Day Water	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs  Daily tage  work
Hours 0600 to 0930 030 to 1100 1100 to 1130 130 TO 1200 1200 to 1300	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey	Fipe & RIH to runs with suing head rub	2 1/2  Report of  2705' tag curvey tool ber  success. Si ot take a su	Operation  mt  urvey comparivey inside of	92		518.06  552.02  Item Drilling Foo Drilling Day Water Drilling Muc	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs  Daily tage  work
Hours 0600 to 0930 030 to 1100 1100 to 1130 130 TO 1200 1200 to 1300	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey	Fipe & RIH to runs with suing head rub	2 1/2  Report of  2705' tag curvey tool ber  success. Si ot take a su	Operation  mt  urvey comparivey inside of	92		518.06  552.02  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs  Daily tage work  Cost g Unit
Hours )600 to 0930 )30 to 1100 1100 to 1130 30 TO 1200 1200 to 1300 300 to 1930	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha	Fipe & RIH to runs with suing head rub	Report of 2705' tag curvey tool ber success. So to take a su at equipmen	Operation  mt  urvey compa rvey inside cont from 2705	92  Iny notifity usasing. 1 to 2974	s that	518.06  552.02  Item Drilling Foo Drilling Bay Water Drilling Muc Cum. Mud Mud Loggin	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs Daily tage work
Hours 0600 to 0930 030 to 1100 1100 to 1130 30 TO 1200 1200 to 1300 300 to 1930 930 to 0030	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h	Ripe & RIH to runs with suing head rub	Report of 2705' tag curvey tool ber success. So ot take a su at equipmer 3127' ROP =	Operation  mt  urvey compa rvey inside on from 2705 30.6 WOB 1:	92 Iny notifity usasing. 1 to 2974' 5/20K & RPM	s that	518.06  552.02  Item Drilling Foo Drilling Muc Cum. Mud Loggin Cement all	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs Daily tage work
Hours 0600 to 0930 030 to 1100 1100 to 1130 30 TO 1200 1200 to 1300 300 to 1930 930 to 0030 0030 to 0100	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h Take Totco	rvey with no tool could nard cmt & flool ole f/2974' to o wire line su	Report of 2705' tag curvey tool ber success. So take a su at equipmer 3127' ROP = rvey @ 311	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg	92 Iny notifity usessing. ' to 2974' 5/20K & RPM	s that	518.06  552.02  Item  Drilling Foo Drilling Muc Cum. Mud I Mud Loggin Cement all Drill Stem T	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs Daily tage work
Hours 0600 to 0930 030 to 1100 1100 to 1130 30 TO 1200 1200 to 1300 300 to 1930 930 to 0030 0030 to 0100	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h Take Totco	rvey with no tool could nard cmt & flool ole f/2974' to o wire line su	Report of 2705' tag curvey tool ber success. So take a su at equipmer 3127' ROP = rvey @ 311	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg	92 Iny notifity usessing. ' to 2974' 5/20K & RPM	s that	518.06  552.02  Item Drilling Foo Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs Daily tage work
Hours 0600 to 0930 030 to 1100 1100 to 1130 130 TO 1200 1200 to 1300 300 to 1930 930 to 0030 0030 to 0100	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h Take Totco	rvey with no tool could nard cmt & flool ole f/2974' to o wire line su	Report of 2705' tag curvey tool ber success. So take a su at equipmer 3127' ROP = rvey @ 311	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg	92 Iny notifity usessing. ' to 2974' 5/20K & RPM	s that	518.06  552.02  Item Drilling Foo Drilling Muc Cum. Mud Mud Loggin Mud Loggin Forill Stem T Electric Log Bits, Suppli	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs Daily tage work
Hours 0600 to 0930 030 to 1100 1100 to 1130 130 TO 1200 1200 to 1300 300 to 1930 930 to 0030 0030 to 0100	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h Take Totco	rvey with no tool could nard cmt & flool ole f/2974' to o wire line su	Report of 2705' tag curvey tool ber success. So take a su at equipmer 3127' ROP = rvey @ 311	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg	92 Iny notifity usessing. ' to 2974' 5/20K & RPM	s that	518.06  552.02  Item Drilling Foo Drilling Muc Cum. Mud Mud Loggin Mud Loggin Forill Stem T Electric Log Bits, Suppli	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs Daily tage work
Hours 0600 to 0930 030 to 1100 1100 to 1130 130 TO 1200 1200 to 1300 300 to 1930 930 to 0030 0030 to 0100	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h Take Totco	rvey with no tool could nard cmt & flool ole f/2974' to o wire line su	Report of 2705' tag curvey tool ber success. So take a su at equipmer 3127' ROP = rvey @ 311	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg	92 Iny notifity usessing. ' to 2974' 5/20K & RPM	s that	518.06  552.02  Item Drilling Foo Drilling Muc Cum. Mud Mud Loggin Mud Loggin Forill Stem T Electric Log Bits, Suppli	551.02 551.02 551.02 551.02 551.02 551.02 Drilling Costs Daily tage work
Hours 0600 to 0930 030 to 1100 1100 to 1130 130 TO 1200 1200 to 1300 300 to 1930 930 to 0030 0030 to 0100	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h Take Totco	rvey with no tool could nard cmt & flool ole f/2974' to o wire line su	Report of 2705' tag curvey tool ber success. So take a su at equipmer 3127' ROP = rvey @ 311	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg	92 Iny notifity usessing. ' to 2974' 5/20K & RPM	s that	518.06  552.02  Item Drilling Foo Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	551.02 551.02 551.02 551.02 551.02 551.02 561.02 Drilling Costs  Dally tage work  Cost g Unit strings rests is es //ell Head
Hours 0600 to 0930 930 to 1100 1100 to 1130 130 TO 1200	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h Take Totco Continue dr	rvey with no tool could nard cmt & flo ole f/2974' to owire line surill ahead 8-1	Report of  2705' tag curvey tool ber  success. Si ot take a su at equipmer 3127' ROP = rvey @ 311 //2" hole f/3	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg 127' to 3271	92 Iny notifity usasing. ' to 2974' 5/20K & RPM Iree.	s that 75/85	518.06  552.02  Item Drilling Foo Drilling Muc Cum. Mud I Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	551.02 551.02 551.02 551.02 551.02 551.02 561.02 Drilling Costs  Daily tage work  Cost g Unit strings ests ls es /ell Head
Hours 0600 to 0930 030 to 1100 1100 to 1130 130 TO 1200 1200 to 1300 300 to 1930 930 to 0030 0030 to 0100	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h Take Totco Continue dr	rvey with no tool could nard cmt & flool ole f/2974' to o wire line su	Report of  2705' tag curvey tool ber  success. Si ot take a su at equipmer 3127' ROP = rvey @ 311 //2" hole f/3	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg 127' to 3271	92 Iny notifity usasing. ' to 2974' 5/20K & RPM Iree.	s that 75/85	518.06  552.02  Item Drilling Foo Drilling Mud Cum. Mud I Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well	551.02 551.02 551.02 551.02 551.02 551.02 561.02 Drilling Costs  Daily tage work  Cost g Unit strings ests ls es //ell Head
Hours 0600 to 0930 030 to 1100 1100 to 1130 130 TO 1200 1200 to 1300 300 to 1930 930 to 0030 0030 to 0100	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h Take Totco Continue dr	rvey with no tool could no ard cmt & flool could no ard cmt & flool ole f/2974' to be wire line su rill ahead 8-1	Report of  2705' tag curvey tool ber  success. Si ot take a su at equipmer 3127' ROP = rvey @ 311 1/2" hole f/3	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg 127' to 3271	92  In providing usual sing.  To 2974'  5/20K & RPM  In provided the single sing.  Description of the single singl	s that 75/85 3 TO RIG	518.06  552.02  Item Drilling Foo Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca	551.02 551.02 551.02 551.02 551.02 551.02 561.02 Drilling Costs  Daily tage work  Cost g Unit strings ests ls es //ell Head
Hours 0600 to 0930 030 to 1100 1100 to 1130 130 TO 1200 1200 to 1300 300 to 1930 930 to 0030 0030 to 0100	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h Take Totco Continue dr	Repripe & RIH to runs with survey with no tool could in ard cmt & floo ole f/2974' to be wire line surill ahead 8-1	Report of 2705' tag curvey tool ber success. So ot take a su at equipmer 3127' ROP = rvey @ 311 i/2" hole f/3	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg 127' to 3271	92  In providing usual sing.  To 2974'  5/20K & RPM  In provided the single sing.  Description of the single singl	s that 75/85 3 TO RIG	518.06  552.02  Item Drilling Foo Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating	551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02  Drilling Costs  Daily tage work  Cost g Unit strings ests es /ell Head  Costs \$47,4 Costs \$47,4 Costs \$260,5 tegory Hrs.
Hours 0600 to 0930 030 to 1100 1100 to 1130 130 TO 1200 1200 to 1300 300 to 1930 930 to 0030 0030 to 0100	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h Take Totco Continue dr	rvey with no tool could no ard cmt & flool could no ard cmt & flool ole f/2974' to be wire line su rill ahead 8-1	Report of 2705' tag curvey tool ber success. So ot take a su at equipmer 3127' ROP = rvey @ 311 i/2" hole f/3	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg 127' to 3271	92  In providing usual sing.  To 2974'  5/20K & RPM  In provided the single sing.  Description of the single singl	s that 75/85 3 TO RIG	518.06  552.02  Item Drilling Foo Drilling Muc Cum. Mud Loggin Mud Loggin Mud Loggin Gement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro	551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02  Drilling Costs Daily tage work  Cost g Unit strings ests ps es /ell Head  Costs \$47,4 Costs \$260,5 tegory Hrs.
Hours 0600 to 0930 030 to 1100 1100 to 1130 130 TO 1200 1200 to 1300 300 to 1930 930 to 0030 0030 to 0100	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Take Totco Continue dr  NOTE: TRA  Note: Vaugh with new dir	Rope & RIH to runs with suing head rub tool could not tool could not file file file file file file file file	Report of 2705' tag curvey tool ber success. So ot take a su at equipmer 3127' ROP = rvey @ 311 i/2" hole f/3	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg 127' to 3271	92  In providing usual sing.  To 2974'  5/20K & RPM  In provided the single sing.  Description of the single singl	s that 75/85 3 TO RIG	518.06    552.02   Item     Drilling Foo     Drilling Muc     Cum. Mud     Mud Loggin     Cement all     Drill Stem     Electric Log     Bits, Suppli     Casing & W     Other     Cum. Daily     Total Well     Time Ca     Rotating     Drig.(non ro     Csg. & Cmi	551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02  Drilling Costs Daily tage work  Cost g Unit strings ests ps es /ell Head  Costs \$47,4 Costs \$260,5 tegory Hrs.
Hours 0600 to 0930 030 to 1100 1100 to 1130 130 TO 1200 1200 to 1300 300 to 1930 930 to 0030 0030 to 0100	P/UP drill p Three miss Install rotati Rig service Attempt sur that survey Drill very ha Drill 8-1/2" h Take Totco Continue dr  NOTE: TRA  Note: Vaugh with new dil  10 Total Bit	Rope & RIH to runs with suing head rub tool could not tool could not file file file file file file file file	Report of  2705' tag curvey tool ber  success. Si ot take a su at equipmer 3127' ROP = rvey @ 311 1/2" hole f/3  5 BLS FRO	Operation  mt  urvey compa rvey inside ont from 2705 30.6 WOB 1: 5' was 2 deg 127' to 3271	92  Iny notifity usasing. 1 to 2974' 5/20K & RPM Irree.  D MINE OPS	5 that 75/85 6 TO RIG d 06:00 hrs	518.06  552.02  Item Drilling Foo Drilling Muc Cum. Mud Loggin Mud Loggin Mud Loggin Gement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating Drlg.(non ro	551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02  Drilling Costs Daily tage work  Cost g Unit strings ests ss es /ell Head  Costs \$47,4 Costs \$260,5 tegory Hrs.

tar-II blasses									
Well Name		wo Fer 26-3		•	Location			26S - R 30E	
Date	7/12/09	Rig	Fror	ntier 7	Present Op	eration	Drilli	ng ahead @ 3	3,750'
Day No.	6	Formation			Lithology				
Depth ft	3,750	Previous De		3,271	Proposed T			6800	
Made	479	ft in	22.5	hrs	Drilling rate	of	21.29	ft. per hr.	
				Mud					
Weight	10.3	Chlorides	200,000	Calcium		Solids	LGS=0.6	L.C.M.	N/A
VIS. Fun.	28	P.V.	4	Y.P.		Gels	1/2	PH	8.5
Water loss	12	Filter Cake		KCL %		Oil %		Nitrates	
Water 1000		. 1 11(0) 00:10	<u> </u>	Mud Gas		. 0 /0		_	
Average	16 UNITS	Maximum		Connection	N/A	Trip	N/A	Flare	N/A
Average	10 014113		litions last	•		& Quantity		1 1010	10//
NO FOAM 2 C	CANIC	WIGG ago	illions iast	24 HOUIS	Fioduce	x Quantity			
NO FOAM 2 C	JANO								
				Bit R	ecord				
W/OB	12/20	RPM	75/95	Dit it		ative Rotatin	a Houre	406	
WOB	12/20		15/95	Tumo	Cumula		ig nours	Jets	
Dull Bit No.		Size		Type		Ser. No.		_	
Depth Out		Made		ft in	100	hrs. Ft/hr		Dull Gr.	0.37.00
Present Bit #	1	Size	8.5"	Type	MXL-09	Ser. No.	5162191	Jets _	3 X 28
Depth in	2974	Made	776	ft in	32.5	hrs.	Avg. ft./hr.	23.88	
	Pur	mps	BOF	Inform	ation	Ho	ie Drag an	d Conditio	n info.
Mud Pump	No. 1	No. 2	i Dee	pest Casing	Set		y Weight		onditions
Make	F 1000	F 1000	Size	Depth	Min. Burst		105 K	Tight S	pots Out
iviake Liner	6"	6"	9 5/8"	2.960'	9265	Pick Up	110 K	Depth	Over Pull
		10"	3 3/0	Shoe test	0200	Slack Off	105 K	Jopan	0.01 Tull
Stroke	10"	10"							
SPM	90		Equiv. Muc			Rotating T	orque		
GPM	260		ł	Last BOP C		Neutral			
Pump psi	575		Pressure T		8,000	Pick Up		Takes We	eight trip In
Slow Pump F	#1	# <u>1</u>	BOP Drill 8	& Function	YES	Slack Off			
SPM	46	60	Drill String	Vol. Bbis.	48	Last Date	BHA		
Pump psi	165	250	Annular Vo	ol Bbls	192	Inspected	07/3/09	Ft. of Fill	
i dirip poi				m Hole As				_	
		_	ina Bollo	III I IOIE A	ssembly (	Johngura	don		
	Drill Pipe								ve ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	llars
4-1/2"	16.6	G Pipe	3.826	4 1/2" XH					
							<u> </u>		
	Bottom Ho	le Assembl	v					Cumula	ative feet
lann	• •••	O.D.	·	Thusad				from bit	t
Item	Quantity	U.D.	1.D.	Thread	Lbs./ft	Grade	Length	HOIH DI	
Item Bit	Quantity 1 1		I.D. I			Grade	Length 1	110111121	
Bit	1 1	8 1/2	<u> </u>	4-1/2 reg	99	Grade	1		
Bit Bit sub	1 1	8 1/2 6 1/2	3	4-1/2 reg 41/2reg/xo	99	Grade	1 3	3	
Bit Bit sub Monel	1 1 1	8 1/2 6 1/2 6 10/27	3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	3 32.96	
Bit Bit sub	1 1	8 1/2 6 1/2	3	4-1/2 reg 41/2reg/xo	99	Grade	1 3	3 32.96 551.02	
Bit Bit sub Monel	1 1 1	8 1/2 6 1/2 6 10/27	3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02 551.02	
Bit Bit sub Monel	1 1 1	8 1/2 6 1/2 6 10/27	3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	3 32.96 551.02 551.02 551.02	
Bit Bit sub Monel	1 1 1	8 1/2 6 1/2 6 10/27	3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	3 32.96 551.02 551.02 551.02 551.02	
Bit Bit sub Monel	1 1 1	8 1/2 6 1/2 6 10/27	3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	3 32.96 551.02 551.02 551.02 551.02 551.02	
Bit Bit sub Monel	1 1 1	8 1/2 6 1/2 6 10/27	3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99		1 3 29.96 518.06	3 32.96 551.02 551.02 551.02 551.02	
Bit Bit sub Monel	1 1 1	8 1/2 6 1/2 6 10/27 6 1/4	3 2 3/4 2 1/2	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo	99 93 92 92	Grade	1 3 29.96	3 32.96 551.02 551.02 551.02 551.02 551.02	
Bit Bit sub Monel	1 1 1	8 1/2 6 1/2 6 10/27 6 1/4	3 2 3/4 2 1/2	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo	99 93 92 92		1 3 29.96 518.06	3 32.96 551.02 551.02 551.02 551.02 551.02	
Bit Bit sub Monel Dill collars	1 1 1	8 1/2 6 1/2 6 10/27 6 1/4	3 2 3/4 2 1/2	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93 92 92		1 3 29.96 518.06	3 32.96 551.02 551.02 551.02 551.02 551.02	
Bit Bit sub Monel Dill collars  Hours	1 1 1 17	8 1/2 6 1/2 6 10/27 6 11/4	3 2 3/4 2 1/2 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92	Total	1 3 29.96 518.06	3 32.96 551.02 551.02 551.02 551.02 551.02 0rilling Cos	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630	1 1 1 1 17 17 Directional	8 1/2 6 1/2 6 10/27 6 11/4	3 2 3/4 2 1/2 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92 1s	Total	1 3 29.96 518.06 552.02 Ltem Drilling Foot	3 32.96 551.02 551.02 551.02 551.02 551.02 0rilling Cos	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f	3 2 3/4 2 1/2 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92 1s	Total	1 3 29.96 518.06 518.06	3 32.96 551.02 551.02 551.02 551.02 551.02 0rilling Cos	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1330	1 1 1 1 17 17 Directional Drill ahead Service Rig	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f	3 2 3/4 2 1/2 Report of vey @ 3249 7/3271' to 33	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92 1s	Total	1 3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Days	3 32.96 551.02 551.02 551.02 551.02 551.02 0rilling Cos	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1330 1330 to 1830	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 1/2 6 1/2 6 10/27 6 1/4 Fwire line sur 8-1/2" hole fi	3 2 3/4 2 1/2 Report of vey @ 3245 5/3271' to 33	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06  552.02  Item Drilling Foot Drilling Days Water Drilling Mud	3 32.96 551.02 551.02 551.02 551.02 551.02 0rilling Cos	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 1/2 6 1/2 6 10/27 6 1/4 wire line sur 8-1/2" hole fi to 3520' RO wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 5/3271' to 33	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 552.02 Eltern Drilling Fool Drilling Day Water Drilling Mud Cum. Mud	3 32.96 551.02 551.02 551.02 551.02 551.02 0rilling Cos	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 552.02 Entern Drilling Fool Drilling Mud Curm. Mud C Mud Loggin	3 32.96 551.02 551.02 551.02 551.02 551.02 0rilling Cos	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 wire line sur 8-1/2" hole fi to 3520' RO wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 518.06 552.02 Entern Drilling Fool Drilling Mud Curn. Mud Curn. Mud Curn. Mud Loggin Cement all	3 32.96 551.02 551.02 551.02 551.02 551.02 0rilling Cos	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 518.06 552.02 Etem Drilling Foot Orilling Day Water Drilling Mud Cum. Mud Loggin Cement all a Drill Stem T	3 32.96 551.02 551.02 551.02 551.02 551.02 0rilling Cos	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 518.06 552.02 Ltem Drilling Fool Drilling Mud Cum. Mud (  Mud Loggin Cement all : Drill Stem T  Electric Log	3 32.96 551.02 551.02 551.02 551.02 551.02 0rilling Cos	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 518.06 552.02 Etem Drilling Foot Orilling Day Water Drilling Mud Cum. Mud Loggin Cement all a Drill Stem T	3 32.96 551.02 551.02 551.02 551.02 551.02 0rilling Cos	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 518.06 552.02 Litem Drilling Fool Drilling Day Water Drilling Mud Cogn. Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplie	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02  0rilling Cost age work  Cost g Unit strings ests s ses	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 518.06 552.02 Ltem Drilling Fool Drilling Mud Cum. Mud (  Mud Loggin Cement all : Drill Stem T  Electric Log	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02  0rilling Cost age work  Cost g Unit strings ests s ses	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 518.06 552.02 Litem Drilling Fool Drilling Day Water Drilling Mud Cogn. Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplie	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02  0rilling Cost age work  Cost g Unit strings ests s ses	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 518.06 552.02 Entern Drilling Fool Drilling Day Water Drilling Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02  0rilling Cost age work  Cost g Unit strings ests s ses	ets
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1330 1330 to 1830 1830 to 1900	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all a Drill Stem T Electric Log Bits, Supplie Casing & W	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02  Orilling Cost age work  Cost g Unit strings ests s est est	Daily
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1330 1330 to 1830 1830 to 1900	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06  552.02  Item Drilling Fool Orilling Day Water Drilling Mud Cum. Mud Coment all Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02  Orilling Cost age work  Cost g Unit strings ests s es cell Head  Costs	Daily \$23,14
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1330 1330 to 1830 1830 to 1900	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02 0rilling Cost age work  Cost g Unit strings ests s es fell Head	\$23,143 \$23,67
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1330 1330 to 1830	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 864' ROP=14	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 518.06 518.06 518.06 552.02 End of the prilling Fool Drilling Mud Cum. Mud Loggin Cement all Drill Stem Telectric Log Bits, Supplic Casing & Wolfer Cum. Dally Total Well Time Ca	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02 0rilling Cost age work  Cost g Unit strings ests s es fell Head	\$23,143 \$23,144 \$283,67 Hrs.
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1330 1330 to 1830 1830 to 1900	Directional Drill ahead Service Ric Drill f/3364 Directional Drill f/3520 Survey at	8 1/2 6 1/2 6 10/27 6 1/4 F wire line sur 8-1/2" hole f 1 to 3520' RC wire line sur	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 664' ROP=14 3' was 4.2 de	99 93 92 92 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02 0rilling Cost age work  Cost g Unit strings ests s es fell Head	\$23,143 \$23,144 \$283,67 Hrs.
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1330 1330 to 1830 1830 to 1900	Directional Drill ahead Service Ric Drill f/3364 Directional Drill f/3520 Survey at	8 1/2   6 1/2   6 10/27   6 10/27   6 1/4   1/4   Wire line sur   8-1/2" hole for sure line sur   to 3520' RC wire line sur   to 3750'   3703' was 3	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 664' ROP=14 3' was 4.2 de	99 93 92 92 98 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 552.02  Item Drilling Fool Orilling Day Water Drilling Mud Cum. Mud Cuggin Cement all: Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily Total Well Time Ca Rotating	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02  0rilling Costage work  Cost g Unit strings ests s est fell Head  Costs Costs Costs Costs Costs Costs	\$23,143 \$283,67' Hrs.
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	Directional Drill ahead Service Ric Drill f/3364 Directional Drill f/3520 Survey at	8 1/2   6 1/2   6 10/27   6 10/27   6 1/4   1/4   Wire line sur   8-1/2" hole for sure line sur   to 3520' RC wire line sur   to 3750'   3703' was 3	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 664' ROP=14 3' was 4.2 de	99 93 92 92 98 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 552.02  Item Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Ca Rotating Rig Service	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02 0rilling Cost age work  Cost g Unit strings ests s ses fell Head  Costs Costs Costs Legory	\$23,143 \$283,67' Hrs.
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	Directional Drill ahead Service Rig Drill f/3364 Directional Drill f/3520 Survey at	8 1/2   6 1/2   6 10/27   6 10/27   6 1/4	3 2 3/4 2 1/2 Report of vey @ 3245 (/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 664' ROP=14 3' was 4.2 de	99 93 92 92 98 98 98 98 98 98 98	Total	1 3 29.96 518.06 518.06 518.06  552.02  Item Drilling Fool Orilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Ca Rotating Rig Service Csg. & Cmt	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02  0rilling Cost age work  Cost g Unit strings ests ses ell Head  Costs Costs Costs	\$23,143 \$283,67' Hrs.
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 1300 1300 to 1830 1830 to 1830	Directional Drill ahead Service Ric Drill f/3364 Directional Drill f/3520 Survey at 3  NOTE: DR	8 1/2   6 1/2   6 10/27   6 10/27   6 1/4	3 2 3/4 2 1/2 Report of vey @ 3245 f/3271' to 33 OP=31.20' vey @ 3503	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 5' was 3.6 de 664' ROP=14 3' was 4.2 de	99 93 92 92 98 98 98 99 98 98 98 98 98	Total  AZM  AZM	1 3 29.96 518.06 518.06 552.02  Item Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Ca Rotating Rig Service	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02 0rilling Cost age work  Cost g Unit strings ests s ell Head  Costs Costs tegory	\$23,143 \$23,671

Well Name	Т	wo Fer 26-3	0		Location		SEC 26 - 1	7 26S - R 30	E
Date	7/13/09	Rig		ntier 7	Present Op	eration	Riggin	g Up TO LO	G WELL
Day No.	7	Formation		stic 9	Lithology				
Depth ft	4,107	Previous De		3,750'	Proposed T		- 00.00	6800	
Made	375	ft in	18	hrs Mud	Drilling rate	: 01	20.83	ft. per hr.	
Weight	10.4	Chlorides	200,000	Calcium		Solids	LGS 0.4	L.C.M.	N/A
VIS. Fun.	31	P.V.	5	Y.P.	6	Gels	3/3	PH	8
Water loss	16	Filter Cake	2	KCL %		Oil %		Nitrates	
				Mud Gas					
Average	14	Maximum	litiana laat	Connection		Trip & Quantity		Flare	
		Mud add	ditions last	24 nours	Product	k Quantity			
				Bit R	ecord				
WOB	1	. RPM	80/95		Cumula	ative Rotatir	g Hours	424	_
Dull Bit No.	4407	Size	1133	Type		Ser. No. hrs. Ft/hr		Jets Dull Gr.	2-2-In
Depth Out Present Bit #	4107	. Made Size	8.5"	. ft in Type	MXL-09	Ser. No.	5162191	Jets	3 X 28
Depth in	2974	Made	1,133	ft in	50.5	hrs.	Avg. ft./hr.	22.44	
_ <b></b>		nps	BOF	•			le Drag an		on Info.
Mud Pump	No. 1	No. 2	Dee	pest Casing	Set		Weight	Trip C	Conditions
Make	F 1000	F 1000	Size	Depth	Min. Burst		107 K		Spots Out
Liner	6"	6"	9 5/8"	2,960'	9265	Pick Up	108 K	Depth	Over Pull
Stroke	10"	10"	]	Shoe test		Slack Off Rotating T	106 K	NONE	
SPM GPM	90 315		Equiv. Muc	ւ weignւ Last BOP 0	hock	Neutral	orque		
Pump psi	575	<u></u>	Pressure T		8,000	Pick Up		Takes W	/eight trip In
Slow Pump		#1	BOP Drill 8		YES	Slack Off			1
SPM	46	60	Drill String	Vol. Bbls.	3	Last Date	ВНА		
Pump psi	165	250	Annular Vo	l. Bbis.	#VALUE!	Inspected	07/3/09	Ft. of Fill	
	Dri	II String a	nd Botto	m Hole As	sembly (	Configura	tion		
	Drill Pipe	_						Cumula	tive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of c	ollars
4-1/2"	16.6	G Pipe	3.826	4 1/2" XH					
				l		4	1		
							<del> </del>		
	Bottom Ho	le Assembl	V					Cumu	lative feet
		le Assembl O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	Cumu from t	lative feet
Item Bit	Bottom Ho Quantity			Thread 4-1/2 reg		Grade	1 1		
	Quantity 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo	99	Grade	1 3	from b	oit
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96	oit
Bit Bit sub	Quantity 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo	99	Grade	1 3	32.96 551.02	bit
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02 551.02	oit
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02	olt
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02 551.02 551.02	olt
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96 518.06	32.96 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27 6 1/4	I.D. 3 2 3/4 2 1/2	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo	99 93 92	Grade	1 3 29.96 518.06	32.96 551.02 551.02 551.02 551.02	olt
Bit Bit sub Monel Dill collars	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27 6 1/4	I.D. 3 2 3/4 2 1/2	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93 92		1 3 29.96 518.06	551.02 551.02 551.02 551.02 551.02	olt
Bit Bit sub Monel Dill collars  Hours	Quantity 1 1 1 1 17	O.D. 8 1/2 6 1/2 6 10/27 6 1/4	I.D. 3 2 3/4 2 1/2 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 518.06	551.02 551.02 551.02 551.02 551.02 551.02	olt
Bit Bit sub Monel Dill collars  Hours 0600 to 0630	Quantity 1 1 1 1 17 Directional	O.D. 8 1/2 6 1/2 6 10/27 6 1/4 F survey @ 37	I.D. 3 2 3/4 2 1/2 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 518.06 552.02 Ltem Drilling Foo	551.02 551.02 551.02 551.02 551.02 551.02	olt
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 0930	Quantity 1 1 1 1 17 17 Directional Drill 8-1/2"	O.D. 8 1/2 6 1/2 6 10/27 6 1/4 F survey @ 3: hole F/3768'	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' {	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 518.06	551.02 551.02 551.02 551.02 551.02 551.02	olt
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 0930 0930 to 1000	Quantity 1 1 1 1 17 17 Directional Drill 8-1/2"	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F survey @ 3: hole F/3768' & adjust rig	I.D.  3 2 3/4 2 1/2  Report of 753' was 3.2 to 3862' { brakes	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33	99 93 92 92		1 3 29.96 518.06 518.06 518.00 Elitem Drilling Foo Drilling Day Water Drilling Mud	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	olt
Bit Sub Monel Dill collars  Hours 0600 to 0630 0630 to 0930 to 1000 1700 to 1700 1700 to 1730 1700 to 1730 1700 to 1730 1730 1730 1730 1730 1730 1730 1730	Quantity 1 1 1 17  Directional Drill 8-1/2* Directional Drill F/3862 Directional	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Figure 2 3 3 4 3 4 3 4 3 4 4 3 4 4 4 4 4 4 4 4	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2 1' to 3862' { brakes  ROP=17.71 973' was 5.2	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33	99 93 92 92 IS		1 3 29.96 518.06 518.06 518.00 Elitem Foo Drilling Day Water Drilling Mud Cum. Mud C	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	olt
Bit Sub Monel Dill collars  Hours 0600 to 0630 0630 to 0930 0930 to 1000 1700 to 1730 1730 to 2200	Quantity  1  1  17  Directional Drill 8-1/2" Drill F/3862 Directional Drill F/38986	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Figure 2 3 3 4 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' { brakes  ROP=17.71  973' was 5.2  ROP=21.11'	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 PER/HR} 2 deg. 44 AZ PER/HR}	99 93 92 92 IS		1 3 29.96 518.06 518.06 552.02 Entern Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	olt
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 0930 1000 to 1000 1700 to 1730 1730 to 2200 2200 to 0130	Quantity  1 1 1 17  Directional Drill 8-1/2* Service rig Drill F/3862 Directional Drill F/4081	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fundamental survey @ 3: hole F/3768' & adjust rig '' to 3986' { survey @ 3: b' to 4081' { '' to 4107' { '' to 4107' {	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2 1 to 3862' { brakes ROP=17.71 973' was 5.2 ROP=21.11' ROP=7.4' P	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 ' PER/HR} 2 deg. 44 AZ PER/HR}	99 93 92 92 88 2M 3' PER/HR}	Total	1 3 29.96 518.06 518.06 518.06 552.02 Item Drilling Foo Drilling Mud Cum. Mud Cum. Mud Loggin Cement all	551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	olt
Bit Sub Monel Dill collars  Hours 0600 to 0630 0630 to 0930 0930 to 1000 1700 to 1730 1730 to 2200	Quantity  1 1 1 17  Directional Drill 8-1/2" Service rig Drill F/3862 Directional Drill F/3862 Directional	O.D.  8 1/2 6 1/2 6 10/27 6 1/4   survey @ 3: hole F/3768' & adjust rig 'to 3986' { survey @ 3: 'to 4081' { 'to 4107' { clean & take	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2 1 to 3862' { brakes ROP=17.71 973' was 5.2 ROP=21.11' ROP=7.4' P	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 ' PER/HR} 2 deg. 44 AZ PER/HR}	99 93 92 92 88 2M 3' PER/HR}	Total	1 3 29.96 518.06 518.06 518.06 552.02 Item Drilling Foo Drilling Mud Cum. Mud Cum. Mud Loggin Cement all Drill Stem T	551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	olt
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 0930 0930 to 1000 1700 to 1730 1730 to 2200 2200 to 0130 0130 to 0230	Quantity  1 1 1 17 17 Directional Drill 8-1/2" Service rig Drill F/3862 Directional Drill F/3986 Circ. Hole c AZM was 4	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Full survey @ 3: hole F/3768' & adjust rig 't to 3986' { survey @ 3: 't to 4107' { clean & take 5.4	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2 ' to 3862' {   brakes  ROP=17.71  973' was 5.2  ROP=21.11'  ROP=7.4' P  directional	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo 0 deg. 37.4 A ROP = 31.33 1 PER/HR} 2 deg. 44 AZ PER/HR} Survey @ 4,0	99 93 92 92 88 2M 3' PER/HR}	Total	1 3 29.96 518.06 518.06 518.06 552.02 Item Drilling Foo Drilling Mud Cum. Mud Cum. Mud Loggin Cement all	551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	olt
Bit Bit sub Monel Dill collars  Hours 0600 to 0630 0630 to 0930 1000 to 1700 1700 to 1730 1730 to 2200 2200 to 0130	Quantity  1 1 1 17  Directional Drill 8-1/2" Service rig Drill F/3862 Directional Drill F/4081 Drill F/4081 AZM was 4 POOH TO	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F  Survey @ 3: hole F/3768 & adjust rig 2' to 3986' { Survey @ 3: 5' to 4081' { 1' to 4107' { Iclean & take 5.4  LOG WELL	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' { brakes  ROP=17.71  973' was 5.2  ROP=21.11'  ROP=7.4' P directional	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 PER/HR} 2 deg. 44 AZ PER/HR} survey @ 4,0	99 93 92 92 PER/HR}	Total	1 3 29.96 518.06 518.06  552.02  Item Drilling Foo Drilling Mud Cum. Mud Cuggin Cement all Drill Stem T Electric Log	\$ 32.96 \$ 551.02 \$ 55	olt
Bit Sub Monel Dill collars  Hours 0600 to 0630 0930 to 1000 1700 to 1730 1730 to 2200 2200 to 0130 0130 to 0230 0230 to0530	Quantity  1 1 1 17  Directional Drill 8-1/2" Service rig Drill F/3862 Directional Drill F/4081 Drill F/4081 AZM was 4 POOH TO	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F  Survey @ 3: hole F/3768 & adjust rig 2' to 3986' { Survey @ 3: 5' to 4081' { 1' to 4107' { Iclean & take 5.4  LOG WELL	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' { brakes  ROP=17.71  973' was 5.2  ROP=21.11'  ROP=7.4' P directional	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 PER/HR} 2 deg. 44 AZ PER/HR} survey @ 4,0	99 93 92 92 PER/HR}	Total	1 3 29.96 518.06 518.06 518.06 552.02 Litem Drilling Foo Drilling Day Water Drilling Mud Com. Mud Loggin Mud Loggin Drill Stem T Electric Log Bits, Suppli	\$ 32.96 \$ 551.02 \$ 55	olt
Bit Sub Monel Dill collars  Hours 0600 to 0630 0930 to 1000 1700 to 1730 1730 to 2200 2200 to 0130 0130 to 0230 0230 to0530	Quantity  1 1 1 17  Directional Drill 8-1/2" Service rig Drill F/3862 Directional Drill F/4081 Drill F/4081 AZM was 4 POOH TO	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F  Survey @ 3: hole F/3768 & adjust rig 2' to 3986' { Survey @ 3: 5' to 4081' { 1' to 4107' { Iclean & take 5.4  LOG WELL	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' { brakes  ROP=17.71  973' was 5.2  ROP=21.11'  ROP=7.4' P directional	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 PER/HR} 2 deg. 44 AZ PER/HR} survey @ 4,0	99 93 92 92 PER/HR}	Total	1 3 29.96 518.06 518.06 518.06 552.02 Item Drilling Foo Drilling Day Water Drilling Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	\$ 32.96 \$ 551.02 \$ 55	olt
Bit Sub Monel Dill collars  Hours 0600 to 0630 0930 to 1000 1700 to 1730 1730 to 2200 2200 to 0130 0130 to 0230 0230 to0530	Quantity  1 1 1 17  Directional Drill 8-1/2" Service rig Drill F/3862 Directional Drill F/4081 Drill F/4081 AZM was 4 POOH TO	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F  Survey @ 3: hole F/3768 & adjust rig 2' to 3986' { Survey @ 3: 5' to 4081' { 1' to 4107' { Iclean & take 5.4  LOG WELL	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' { brakes  ROP=17.71  973' was 5.2  ROP=21.11'  ROP=7.4' P directional	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 PER/HR} 2 deg. 44 AZ PER/HR} survey @ 4,0	99 93 92 92 PER/HR}	Total	1 3 29.96 518.06 518.06 518.06 552.02 [Item Drilling Foo Drilling Mud Cum. Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	sts Daily
Bit Sub Monel Dill collars  Hours 0600 to 0630 0930 to 1000 1700 to 1730 1730 to 2200 2200 to 0130 0130 to 0230 0230 to0530	Quantity  1 1 1 17  Directional Drill 8-1/2" Service rig Drill F/3862 Directional Drill F/4081 Drill F/4081 AZM was 4 POOH TO	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F  Survey @ 3: hole F/3768 & adjust rig 2' to 3986' { Survey @ 3: 5' to 4081' { 1' to 4107' { Iclean & take 5.4  LOG WELL	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' { brakes  ROP=17.71  973' was 5.2  ROP=21.11'  ROP=7.4' P directional	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 PER/HR} 2 deg. 44 AZ PER/HR} survey @ 4,0	99 93 92 92 PER/HR}	Total	1 3 29.96 518.06 518.06  552.02  Item Drilling Foo Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 Cost age work Cost g Unit strings ests is es (ell Head	sts Daily  \$25,545
Bit Sub Monel Dill collars  Hours 0600 to 0630 0930 to 1000 1700 to 1730 1730 to 2200 2200 to 0130 0130 to 0230 0230 to0530	Quantity  1 1 1 17  Directional Drill 8-1/2" Service rig Drill F/3862 Directional Drill F/4081 Drill F/4081 AZM was 4 POOH TO	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F  Survey @ 3: hole F/3768 & adjust rig 2' to 3986' { Survey @ 3: 5' to 4081' { 1' to 4107' { Iclean & take 5.4  LOG WELL	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' { brakes  ROP=17.71  973' was 5.2  ROP=21.11'  ROP=7.4' P directional	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 PER/HR} 2 deg. 44 AZ PER/HR} survey @ 4,0	99 93 92 92 PER/HR}	Total	1 3 29.96 518.06 518.06 518.06 552.02	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 Cost age work  Cost g Unit strings ests is es (ell Head	\$25,545 \$309,216
Bit Sub Monel Dill collars  Hours 0600 to 0630 0930 to 1000 1700 to 1730 1730 to 2200 2200 to 0130 0130 to 0230 0230 to0530	Quantity  1 1 1 17  Directional Drill 8-1/2" Service rig Drill F/3862 Directional Drill F/4081 Drill F/4081 AZM was 4 POOH TO	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F  Survey @ 3: hole F/3768 & adjust rig 2' to 3986' { Survey @ 3: 5' to 4081' { 1' to 4107' { Iclean & take 5.4  LOG WELL	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' { brakes  ROP=17.71  973' was 5.2  ROP=21.11'  ROP=7.4' P directional	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 PER/HR} 2 deg. 44 AZ PER/HR} survey @ 4,0	99 93 92 92 PER/HR}	Total	1 3 29.96 518.06 518.06 518.06 552.02 Item Drilling Foo Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 Cost age work  Cost g Unit strings ests is es (ell Head	\$25,545 \$309,216 Hrs.
Bit Sub Monel Dill collars  Hours 0600 to 0630 0930 to 1000 1700 to 1730 1730 to 2200 2200 to 0130 0130 to 0230 0230 to0530	Quantity  1 1 1 17  Directional Drill 8-1/2" Service rig Drill F/3862 Directional Drill F/4081 Drill F/4081 AZM was 4 POOH TO	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F  Survey @ 3: hole F/3768 & adjust rig 2' to 3986' { Survey @ 3: 5' to 4081' { 1' to 4107' { Iclean & take 5.4  LOG WELL	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' { brakes  ROP=17.71  973' was 5.2  ROP=21.11'  ROP=7.4' P directional	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 PER/HR} 2 deg. 44 AZ PER/HR} survey @ 4,0	99 93 92 92 PER/HR}	Total	1 3 29.96 518.06 518.06 518.06 552.02	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 Cost age work  Cost g Unit strings ests is es (ell Head	\$25,545 \$309,216 Hrs.
Bit Sub Monel Dill collars  Hours 0600 to 0630 0930 to 1000 1700 to 1730 1730 to 2200 2200 to 0130 0130 to 0230 0230 to0530	Quantity 1 1 1 17 17 Directional Drill 8-1/2" Service rig Drill F/3862 Directional Drill F/4081 Circ. Hole of AZM was 4 POOH TO Pulled wear	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F survey @ 3: hole F/3768' & adjust rig ' to 3986' { survey @ 3: ' to 4081' { to 4107' { clean & take 5.4 LOG WELL r bushing, sf	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' { brakes  ROP=17.71  973' was 5.2  ROP=21.11'  ROP=7.4' P directional	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 PER/HR} 2 deg. 44 AZ PER/HR} survey @ 4,0	99 93 92 92 PER/HR}	Total	1 3 29.96 518.06 518.06  552.02  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating Trips Survey	strings cests generated by the strings genera	\$25,545 \$309,216 Hrs.
Bit Sub Monel Dill collars  Hours 0600 to 0630 0930 to 1000 1700 to 1730 1730 to 2200 2200 to 0130 0130 to 0230 0230 to0530	Quantity  1 1 1 17 17 Directional Drill 8-1/2" Service rig Drill F/3862 Directional Drill F/4081 Circ. Hole of AZM was 4 POOH TO Pulled wear	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Figure 2 33 hole F/3768' & adjust rig ' to 3986' { survey @ 33 ' to 4081' { to 4107' { lean & take 5.4 LOG WELL r bushing, sh	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' { brakes  ROP=17.71 973' was 5.2 ROP=21.11' ROP=7.4' P directional  No Probler howed slight	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 PER/HR} 2 deg. 44 AZ PER/HR} survey @ 4,0 ms t wear on 1 s	99 93 92 92 98 98 98 98 992' was 4.9	Total	1 3 29.96 518.06 518.06  552.02  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating Trips Survey Rig Service	stage work  Cost stegory  FOOH	\$25,545 \$309,216 Hrs.
Bit Sub Monel Dill collars  Hours 0600 to 0630 0630 to 0930 0930 to 1000 1700 to 1730 1730 to 2200 2200 to 0130 0130 to 0230 0230 to0530	Quantity  1 1 1 17 17 Directional Dirill 8-1/2" Service rig Drill F/3862 Directional Drill F/3986 Drill F/4081 Circ. Hole of AZM was 4 POOH TO Pulled wear	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Figure 2 33 hole F/3768 & adjust rig ' to 3986' { survey @ 33 ' to 4081' { to 4107' { lean & take 5.4 LOG WELL r bushing, sl  frs = 50.5 B to GL = 2	I.D.  3 2 3/4 2 1/2  Report of  753' was 3.2' to 3862' { brakes  ROP=17.71 973' was 5.2 ROP=21.11' ROP=7.4' P directional  No Probler howed slight	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 2 deg. 37.4 A ROP = 31.33 PER/HR} 2 deg. 44 AZ PER/HR} survey @ 4,0 ms t wear on 1 s	99 93 92 92 98 PER/HR} M	Total  Odeg  same	1 3 29.96 518.06 518.06  552.02  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Rotating Trips Survey	strings ests is est (cell Head	\$25,545 \$309,216 Hrs.

									_
Well Name		wo Fer 26-3			Location			26S - R 30E	
Date	7/14/09	Rig		tier 7	Present Op	eration	Drill	ing ahead @	4138
Day No.	8	Formation		t 10 4107'	Lithology Proposed T			6800	
Depth ft Made	<u>4138'</u> 31	Previous De	•	hrs	Drilling rate		5.17	ft. per hr.	
Made				Mud	Drilling rate			ic poi iii.	
Weight	11.6	Chlorides	201,000	Calcium	6,400	Solids	lgs = 2.1	L.C.M.	N/A
VIS. Fun.	35	P.V.	12	Y.P.	8	Gels	5/9	PH	7.5
Water loss	8.8	Filter Cake		KCL %		Oil %		Nitrates	
11010, 1000				Mud Gas		•			
Average	6	Maximum	16	Connection	N/A	Trip	309	Flare	NO
-		Mud add	litions last	24 hours	Product 8	& Quantity			
_									
				Bit R	ecord				
WOB	12-20	RPM	90/95			ative Rotatin	•	430	
Dull Bit No.	1	Size	8.5`	Type	MXL-09	Ser. No.	5162191	Jets	3X28
Depth Out	4107	Made	1133	ft in	56.5	hrs. Ft/hr		Dull Gr.	2-2-In
Present Bit #		Size	8.5"	Type	HT52A	Ser. No.	DN2508	Jets .	3X32
Depth in	4107	Made	31`	ft in	6	hrs.	Avg. ft./hr.	5.10	
		nps	BOF					d Condition	
Mud Pump	No. 1	No. 2		pest Casing			y Weight		onditions
Make	F 1000	F 1000	Size	Depth	Min. Burst	1	105		Spots Out
Liner	6"	6"	9 5/8"	2,960'	9265	Pick Up	107	Depth	Over Pull
Stroke	10"	10"		Shoe test		Slack Off	103		
SPM	90	<u> </u>	Equiv. Muc		<del> </del>	Rotating T	orque		
GPM .	315			Last BOP C		Neutral		T-1: 14/	a i a la taria da
Pump psi	<u>575</u>		Pressure T		8,000	Pick Up			eight trip In
Slow Pump I		#1	BOP Drill 8		YES_	Slack Off	BUA	2481'	INCSG
SPM	40	60	Drill String		53	1			
Pump psi	210	475	Annular Vo		217	Inspected	07/3/09	Ft. of Fill	<u> </u>
		II String a	nd Botto	m Hole As	ssembly (	Configura	tion		
	Drill Pipe							Cumulat	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	llars
4-1/2"	16.6	G Pipe	3.826	4 1/2" XH			<u> </u>		
		<u> </u>			<u> </u>	L	l		-4: 54
		le Assembl	-	Th	1 1 164	0	1		ative feet
ltem	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from b	ıt
Bit	1 1	8 1/2 6 1/2	3	4-1/2 reg 41/2reg/xo	99	├──	3	3	
Bit sub	1	6 1/2 6 10/27	2 3/4	4-1/2 xo	93	╂	29.96	32.96	
Monel Dill collars	17	6 1/4	2 1/2	4-1/2 xo	92	<del>                                     </del>	518.06	551.02	<del></del>
DIII COllais	1	0. 1/4	2 1/2	4-1/2 10	32	<del> </del>	010.00	551.02	
	<del> </del>	<del></del>			<del> </del>	<del> </del>		551.02	
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_				_				001.02	
			<b></b>		ļ			551.02	
_			i			Total	552.02		· · · · · · · · · · · · · · · · · · ·
	,	<u> </u>	eport of	Operation	ıs.	Total	552.02	551.02	sts
Hours	1	F	Report of	Operation	ıs	Total			sts Daily
Hours 0600 to 0700	Rig up Wea		_	Operation	IS	Total	Item	551.02 Prilling Co	
0600 to 0700	Rig up Wea	atherford wir	e line					551.02 Prilling Costage	
	RIH with W	atherford wir	e line /ireline & RI	H with CBL v	w/GR/DLL. (	CBL ali	Item Drilling Foot	551.02 Prilling Costage	
0600 to 0700	RIH with W the way to t	atherford wir eatherford w top of well he	e line /ireline & RI ead!!!! And	H with CBL v	w/GR/DLL. (	CBL ali	Item Drilling Foot Drilling Day	551.02 Drilling Costage	
0600 to 0700 0700 to 1200	RIH with W the way to t R/D Weath	atherford wir eatherford w top of well he	e line /ireline & RI ead!!!! And	H with CBL v	w/GR/DLL. (	CBL ali	Item Drilling Fool Drilling Day Water	551.02 Drilling Costage	
0600 to 0700 0700 to 1200 1200 to 1300	RIH with W the way to t R/D Weath Service rig	atherford wir eatherford w top of well he erford wire li	e line vireline & RI ead!!!! And ne truck.	H with CBL v	w/GR/DLL. (	CBL ali	Item Drilling Fool Drilling Day Water Drilling Mud	551.02  Prilling Cost	
0600 to 0700 0700 to 1200 1200 to 1300 1300 to 1330	RIH with W the way to t R/D Weath Service rig Rig on dow M/U Bit #2	atherford wir eatherford w top of well he erford wire li in time fix bra & RIH W/NE	e line vireline & RI ead!!!! And ne truck.	H with CBL v GR/DLL in o	w/GR/DLL. ( pen hole-Go	CBL all ood Bond	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all	551.02  Drilling Cost age work  Cost g Unit strings	
0600 to 0700 0700 to 1200 1200 to 1300 1300 to 1330 1330 to 1400 1400 to 1730	RIH with W the way to the R/D Weath Service rig Rig on dow M/U Bit #2 RIH to 2450	atherford wir eatherford w top of well he erford wire li in time fix bra & RIH W/NE	e line vireline & RI ead!!!! And ne truck.	H with CBL v GR/DLL in o	w/GR/DLL. ( pen hole-Go	CBL all ood Bond	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T	551.02  Drilling Cost age work  Cost g Unit strings ests	
1200 to 1300 1300 to 1300 1300 to 1330 1330 to 1400 1400 to 1730	RIH with W the way to to R/D Weath Service rig Rig on dow M/U Bit #2 RIH to 2450 Break circ.	atherford wir eatherford w top of well hi erford wire li in time fix bra & RIH W/NE O'	e line vireline & RI ead!!!! And ne truck. akes & turn stab & two	H with CBL v GR/DLL in o drive line string stab's	w/GR/DLL. (pen hole-Go	CBL all pod Bond	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log	551.02  Orilling Cost age work  Cost g Unit strings eests s	
0600 to 0700 0700 to 1200 1200 to 1300 1300 to 1330 1330 to 1400 1400 to 1730 1730 to 1800 1800 to 1830	RIH with W the way to t R/D Weath Service rig Rig on dow M/U Bit #2 RIH to 2450 Break circ.	atherford wir eatherford w top of well he erford wire li in time fix bra & RIH W/NE D'	e line vireline & RI ead!!!! And ne truck. akes & turn 8 stab & two	H with CBL v GR/DLL in o drive line string stab's	w/GR/DLL. (pen hole-Go	CBL all pod Bond  O' & cont.	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplie	551.02  Orilling Cost age work  Cost g Unit strings ests s es	
1200 to 1300 1300 to 1300 1300 to 1330 1330 to 1400 1400 to 1730	RIH with W the way to t R/D Weath Service rig Rig on dow M/U Bit #2 RIH to 2450 Break circ. Stand back L/D two its.	atherford wire eatherford word top of well herford wire limits on time fix brack RIH W/NED's kelly & RIH Drill pipe &	e line vireline & RI ead!!!! And ne truck. akes & turn 8 stab & two to 2481' se p/u kelly in	H with CBL v GR/DLL in o drive line string stab's	w/GR/DLL. (pen hole-Go	CBL all pod Bond  O' & cont.	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log	551.02  Orilling Cost age work  Cost g Unit strings ests s es	
0600 to 0700 0700 to 1200 1200 to 1300 1300 to 1330 1330 to 1400 1400 to 1730 1730 to 1800 1800 to 1830 1830 to 1930	RIH with W the way to the way to the way to the way to the RID Weath Service right Right on the RID Weath RIH to 2450 Break circh Stand back L/D two jts.	atherford wire eatherford with top of well he erford wire limit time fix braken RIH W/NED'.  kelly & RIH Drill pipe & 1' no success	e line vireline & RI ead!!!! And ne truck.  akes & turn 8 stab & two to 2481' se p/u kelly in es.	H with CBL v GR/DLL in o drive line string stab's	w/GR/DLL. (pen hole-Go	CBL all pod Bond  O' & cont.	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplie	551.02  Orilling Cost age work  Cost g Unit strings ests s es	
1200 to 1300 1300 to 1300 1300 to 1330 1330 to 1400 1400 to 1730 1730 to 1800 1800 to 1830 1830 to 1930	RIH with W the way to the way to the way to the way to the RID Weath Service right Rig on down M/U Bit #2 RIH to 2450 Break circ. Stand back L/D two jts. spot at 248 POOH to label.	atherford wire atherford wire lop of well he erford wire line time fix brown time	e line //reline & RI ead!!!! And ne truck.  akes & turn stab & two  to 2481' se p/u kelly in s. tab's	H with CBL v GR/DLL in o drive line string stab's down 40K & attempt to w	w/GR/DLL. ( pen hole-Go  © 30' & 90  \$ took 60K t ash & ream	CBL all pod Bond  D' & cont.  o pull free thru tight	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W	551.02  Orilling Cost age work  Cost g Unit strings ests s es	
1200 to 1300 1300 to 1300 1300 to 1330 1330 to 1400 1400 to 1730 1730 to 1800 1800 to 1830 1830 to 1930 1930 to 2100 2100 to 2330	RIH with W the way to the way to the way to the way to the RID Weath Service right Rig on down M/U Bit #2 RIH to 2450 Break circ. Stand back L/D two jts. The way to the RIH slick way to the way to t	atherford wire atherford wire atherford wire line in time fix braken RIH W/NED'  kelly & RIH Drill pipe & RIH Drill pipe & RIH W/NED'  y down all sy down all sy for the reverse was the reverse at the r	e line //reline & RI ead!!!! And ne truck.  akes & turn a stab & two  to 2481' se p/u kelly in ss. tab's r saw any ti	H with CBL v GR/DLL in o drive line string stab's t down 40K { attempt to wanted at 2481*	w/GR/DLL. ( pen hole-Go  © 30' & 90  \$ took 60K t ash & ream	CBL all pod Bond  D' & cont.  o pull free thru tight	Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W	551.02  Drilling Cost age work  Cost g Unit strings ests s es (ell Head	Daily
1200 to 1300 1300 to 1300 1300 to 1300 1300 to 1330 1330 to 1400 1400 to 1730 1730 to 1800 1800 to 1830 1830 to 1930 1930 to 2100 2100 to 2330 2330 to 0000	RIH with W the way to to RID Weath Service rig Rig on dow M/U Bit #2 RIH to 2450 Break circ. Stand back L/D two jts. spot at 248 POOH to la RIH slick w. Ream & wa	atherford wire atherford wire atherford wire line fix braken RIH W/NED'  kelly & RIH Drill pipe & 11' no successay down all so / bit #2 neverals fi/4030' to	e line //reline & RI ead!!!! And ne truck.  akes & turn a stab & two  to 2481' se p/u kelly in tse. tab's r saw any ti b bottom no	H with CBL v GR/DLL in o drive line string stab's down 40K & attempt to w ning at 2481' fill or tight sp	w/GR/DLL. ( pen hole-Go  © 30' & 90  \$ took 60K t ash & ream	CBL all pod Bond  D' & cont.  o pull free thru tight	Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily	551.02  Drilling Cost age work  Cost g Unit strings ests s es es (ell Head	\$58,229
1200 to 1300 1300 to 1300 1300 to 1330 1330 to 1400 1400 to 1730 1730 to 1800 1800 to 1830 1830 to 1930 1930 to 2100 2100 to 2330	RIH with W the way to to RID Weath Service rig Rig on dow M/U Bit #2 RIH to 2450 Break circ. Stand back L/D two jts. spot at 248 POOH to la RIH slick w. Ream & wa	atherford wire atherford wire atherford wire line fix braken RIH W/NED'  kelly & RIH Drill pipe & 11' no successay down all so / bit #2 neverals fi/4030' to	e line //reline & RI ead!!!! And ne truck.  akes & turn a stab & two  to 2481' se p/u kelly in tse. tab's r saw any ti b bottom no	H with CBL v GR/DLL in o drive line string stab's down 40K & attempt to w ning at 2481' fill or tight sp	w/GR/DLL. ( pen hole-Go  © 30' & 90  \$ took 60K t ash & ream	CBL all pod Bond  D' & cont.  o pull free thru tight	Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	551.02  Drilling Cost age work  Cost g Unit strings ests s est ses (ell Head	\$58,229 \$367,445
1200 to 1300 1300 to 1300 1300 to 1300 1300 to 1330 1330 to 1400 1400 to 1730 1730 to 1800 1800 to 1830 1830 to 1930 1930 to 2100 2100 to 2330 2330 to 0000	RIH with W the way to to RID Weath Service rig Rig on dow M/U Bit #2 RIH to 2450 Break circ. Stand back L/D two jts. spot at 248 POOH to la RIH slick w. Ream & wa	atherford wire atherford wire atherford wire line fix braken RIH W/NED'  kelly & RIH Drill pipe & 11' no successay down all so / bit #2 neverals fi/4030' to	e line //reline & RI ead!!!! And ne truck.  akes & turn a stab & two  to 2481' se p/u kelly in tse. tab's r saw any ti b bottom no	H with CBL v GR/DLL in o drive line string stab's down 40K & attempt to w ning at 2481' fill or tight sp	w/GR/DLL. ( pen hole-Go  © 30' & 90  \$ took 60K t ash & ream	CBL all pod Bond  D' & cont.  o pull free thru tight	Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Car	551.02  Drilling Cost age work  Cost g Unit strings ests s est ses (ell Head	\$58,229 \$367,445 Hrs.
1200 to 1300 1300 to 1300 1300 to 1300 1300 to 1330 1330 to 1400 1400 to 1730 1730 to 1800 1800 to 1830 1830 to 1930 1930 to 2100 2100 to 2330 2330 to 0000	RIH with W the way to to RID Weath Service rig Rig on dow M/U Bit #2 RIH to 2450 Break circ. Stand back L/D two jts. spot at 248 POOH to la RIH slick w. Ream & wa	atherford wire atherford wire atherford wire line fix braken RIH W/NED'  kelly & RIH Drill pipe & 11' no successay down all so / bit #2 neverals fi/4030' to	e line //reline & RI ead!!!! And ne truck.  akes & turn a stab & two  to 2481' se p/u kelly in tse. tab's r saw any ti b bottom no	H with CBL v GR/DLL in o drive line string stab's down 40K & attempt to w ning at 2481' fill or tight sp	w/GR/DLL. ( pen hole-Go  © 30' & 90  \$ took 60K t ash & ream	CBL all pod Bond  D' & cont.  o pull free thru tight	Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily Total Well Time Car Rotating	551.02  Drilling Cost age work  Cost g Unit strings ests s est ses (ell Head	\$58,229 \$367,445 Hrs.
1200 to 1300 1300 to 1300 1300 to 1300 1300 to 1330 1330 to 1400 1400 to 1730 1730 to 1800 1800 to 1830 1830 to 1930 1930 to 2100 2100 to 2330 2330 to 0000	RIH with W the way to to RID Weath Service rig Rig on dow M/U Bit #2 RIH to 2450 Break circ. Stand back L/D two jts. spot at 248 POOH to la RIH slick w. Ream & wa	atherford wire atherford wire atherford wire line fix braken RIH W/NED'  kelly & RIH Drill pipe & 11' no successay down all so / bit #2 neverals fi/4030' to	e line //reline & RI ead!!!! And ne truck.  akes & turn a stab & two  to 2481' se p/u kelly in tse. tab's r saw any ti b bottom no	H with CBL v GR/DLL in o drive line string stab's down 40K & attempt to w ning at 2481' fill or tight sp	w/GR/DLL. ( pen hole-Go  © 30' & 90  \$ took 60K t ash & ream	CBL all pod Bond  D' & cont.  o pull free thru tight	Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud Cogni Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily Total Well Time Ca Rotating Trips	551.02  Drilling Cost age work  Cost g Unit strings ests s est ses (ell Head	\$58,229 \$367,445 Hrs.
1200 to 1300 1300 to 1300 1300 to 1300 1300 to 1330 1330 to 1400 1400 to 1730 1730 to 1800 1800 to 1830 1830 to 1930 1930 to 2100 2100 to 2330 2330 to 0000	RIH with W the way to to RID Weath Service rig Rig on dow M/U Bit #2 RIH to 2450 Break circ. Stand back L/D two jts. spot at 248 POOH to la RIH slick w. Ream & wa	atherford wire atherford wire atherford wire line fix braken RIH W/NED'  kelly & RIH Drill pipe & 11' no successay down all so / bit #2 neverals fi/4030' to	e line //reline & RI ead!!!! And ne truck.  akes & turn a stab & two  to 2481' se p/u kelly in tse. tab's r saw any ti b bottom no	H with CBL v GR/DLL in o drive line string stab's down 40K & attempt to w ning at 2481' fill or tight sp	w/GR/DLL. ( pen hole-Go  © 30' & 90  \$ took 60K t ash & ream	CBL all pod Bond  D' & cont.  o pull free thru tight	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud C Gum. Mud C Gument all : Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily Total Well Time Ca Rotating Trips Wire line	551.02  Drilling Cost age work  Cost g Unit strings ests s es ell Head  Costs Costs tegory	\$58,229 \$367,445 Hrs. 6 10
1200 to 1300 1300 to 1300 1300 to 1300 1300 to 1330 1330 to 1400 1400 to 1730 1730 to 1800 1800 to 1830 1830 to 1930 1930 to 2100 2100 to 2330 2330 to 0000	RIH with W the way to t the way to t RID Weath Service rig Rig on dow M/U Bit #2 RIH to 2450 Break circ. Stand back L/D two jts. spot at 248 POOH to la RIH slick w. Ream & wa Dill 8.5" hol	atherford wire atherford vice of well he erford wire limited fix bridge and the fixed with the f	e line //reline & RI ead!!!! And ne truck.  akes & turn a stab & two  to 2481' se p/u kelly in tse. tab's r saw any ti b bottom no	H with CBL v GR/DLL in o drive line string stab's down 40K & attempt to w ning at 2481' fill or tight sp	w/GR/DLL. ( pen hole-Go  © 30' & 90  \$ took 60K t ash & ream	CBL all pod Bond  D' & cont.  o pull free thru tight	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud Comnt all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Car Rotating Trips Wire line Rig Service	551.02  Drilling Cost age work  Cost g Unit strings ests s est ell Head  Costs Costs Legory	\$58,229 \$367,445 Hrs. 6 10 7 0.5
1200 to 1300 1300 to 1300 1300 to 1300 1300 to 1300 1300 to 1300 1400 to 1730 1730 to 1800 1800 to 1830 1830 to 1930 1930 to 2100 2100 to 2330 2330 to 0000	RIH with W the way to t the way to t R/D Weath Service rig Rig on dow M/U Bit #2 RIH to 245( Break circ. Stand back L/D two jts. spot at 248 POOH to la RIH slick w. Ream & wa Dill 8.5" hol	atherford wire atherford wire eatherford wipon of well he erford wire limited fix brisks. All WINED.  kelly & RIH Drill pipe & 1' no successay down all so / bit #2 never ash f/4030' to e from 4,100 on bit #2	e line //reline & RI ead!!!! And ne truck.  akes & turn a stab & two  to 2481' se p/u kelly in tse. tab's r saw any ti b bottom no	H with CBL v GR/DLL in o  drive line string stab's  t down 40K 8 attempt to wan  ning at 2481' fill or tight sp ROP=5.1'	w/GR/DLL. ( pen hole-Go s @ 30' & 90 & took 60K t ash & ream  cont. RIH to	CBL all pod Bond D' & cont. O pull free thru tight	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud C Gum. Mud C Gument all : Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily Total Well Time Ca Rotating Trips Wire line	551.02  Drilling Cost age work  Cost g Unit strings ests s es cell Head  Costs Costs Legory	\$58,229 \$367,445 Hrs. 6 10

Well Name _	т.	26 2	^		Location		SEC 26 T	266 0 20	=
Date	7/15/09	wo Fer 26-3 Rig		ntier 7	Location Present Op	eration		26S - R 30 ng ahead @	
Day No.	9	Formation		itier i	Lithology	Cration		ng anoda (a)	-1,-110
Depth ft	4,418'	Previous De		4138'	Proposed T	D.		6800	
Made	280	ft in	22	hrs	Drilling rate		12.73	ft. per hr.	
-				Mud	•			•	
Weight	12.7	Chlorides	200,000	Calcium	6,400	Solids	LGS=2.3	L.C.M.	N/A
VIS. Fun.	40	P.V.	17	Y.P.	12	Gels	8/11	PH	7.5
Water loss	14	Filter Cake	2	KCL %		Oil %		Nitrates	
-				Mud Gas					
Average _	12	Maximum	335	Connection		Trip	N/A	Flare	NO
		Mud add	litions last	24 hours	Product 8	& Quantity			
				Ri+ D	ecord				
WOB	26/32	RPM	75/90	אונם		ative Rotatin	a Hours	452	
Dull Bit No.	20102	Size	10/00	Type	Oumai	Ser. No.	ig riodio	Jets	-
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #		Size	8.5"	Туре	HT52A	Ser. No.	DN2508	Jets	3X32
Depth in	4107	Made	311	ft in	28	hrs.	Avg. ft./hr.	11.11	
	Pur		BOF	Inform	ation	Ho	le Drag an	d Conditi	on Info.
Mud Pump	No. 1	No. 2	_	pest Casing		Strine	Weight		conditions
Make	F 1000	F 1000	Size	Depth	Min. Burst		110		Spots Out
Liner	6"	6"	9 5/8"	2,960'	9265	Pick Up	112	Depth	Over Pull
Stroke	10"	10"	· ·	Shoe test	·	Slack Off	108		l
SPM	92	,,,	Equiv. Mud		N/A	Rotating T			
GPM _	315	_		Last BOP C		Neutral			Γ
Pump psi	775		Pressure T		8,000	Pick Up		Takes W	eight trip In
Slow Pump F	#1	#1	BOP Drill 8		YES	Slack Off	······································		1
SPM	45	55	Drill String		56	Last Date	ВНА		Γ
Pump psi	250	350	Annular Vo		244	Inspected	07/3/09	Ft. of Fill	<u> </u>
Fullip psi				m Hole As				11 6. 01 1 111	
		ıı sırıng a	iila Bollo	III I IOIG A	seculory C	Joinigula	tion:	Comode	tive ft from
	Drill Pipe			<b></b>					tive ft. from
Size	Weight	Grade		T.J. Type	I.J. I.D.	1. J. Q.D.	Length	top of c	oliars
4-1/2"	16.6	G Pipe	3.826	4 1/2" XH		<u> </u>			
			<b></b>	ļ <u>.</u>	<u> </u>		<del> </del>		
	Battam Ua	La Assaushi	<u>.</u>	L	<u> </u>	<u> </u>		Cumu	lative feet
		le Assembl	y I.D.	Thread	Lbs./ft	Grade	Length	from b	
I <b>tem</b> Bit	Quantity 1	<b>O.D.</b> 8 1/2	I.D.	4-1/2 reg		Glade		1101111	,,,
	al .	0 1/2							
Dit cub	1	6 1/2	3		99		1 3	3	
Bit sub	1	6 1/2	3 2 3/4	41/2reg/xo			3	32 96	_
Monel	1	6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93		3 29.96	32.96	
				41/2reg/xo			3	32.96 551.02	
Monel	1	6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93		3 29.96	32.96 551.02 551.02	
Monel	1	6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93		3 29.96	32.96 551.02 551.02 551.02	
Monel	1	6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93		3 29.96	32.96 551.02 551.02 551.02 551.02	
Monel	1	6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93		3 29.96	32.96 551.02 551.02 551.02	
Monel	1	6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93	Total	3 29.96 518.06	32.96 551.02 551.02 551.02 551.02 551.02	
Monel	1	6 10/27 6 1/4	2 3/4 2 1/2	41/2reg/xo 4-1/2 xo 4-1/2 xo	93 92	Total	3 29.96 518.06 552.02	32.96 551.02 551.02 551.02 551.02 551.02	
Monel Dill collars	1	6 10/27 6 1/4	2 3/4 2 1/2	41/2reg/xo 4-1/2 xo	93 92	Total	3 29.96 518.06	32.96 551.02 551.02 551.02 551.02 551.02	sts
Monel Dill collars  Hours	1 17	6 10/27 6 1/4	2 3/4 2 1/2	41/2reg/xo 4-1/2 xo 4-1/2 xo 0 4-1/2 xo	93 92	Total	3 29.96 518.06 552.02	32.96 551.02 551.02 551.02 551.02 551.02 0rilling Co	
Monel Dill collars  Hours 0600 to 1130	1 17 Drill 8-1/2" I	6 10/27 6 1/4 Final from 4,	2 3/4 2 1/2 Report of	41/2reg/xo 4-1/2 xo 4-1/2 xo Operatior	93 92 92 PER/HR	Total	3 29.96 518.06 552.02 Ltem Drilling Fool	32.96 551.02 551.02 551.02 551.02 551.02 0rilling Co	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300	1 17 Drill 8-1/2" U	6 10/27 6 1/4 Finale from 4, survey @ 4*	2 3/4 2 1/2 Report of 138' to 4.20 189' was 4.2	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06  552.02  Item  Drilling Fool Drilling Day	32.96 551.02 551.02 551.02 551.02 551.02 0rilling Co	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1600	1 17 Drill 8-1/2"! Directional	6 10/27 6 1/4 Finale from 4, survey @ 4*	2 3/4 2 1/2 Report of 138' to 4.20 189' was 4.2	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 552.02 Item Drilling Fool Drilling Day	32.96 551.02 551.02 551.02 551.02 551.02 551.02 0rilling Co	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1600 1600 to 1630	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig	6 10/27 6 1/4 Finale from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 552.02 Item Drilling Fool Drilling Day Water Drilling Mud	32.96 551.02 551.02 551.02 551.02 551.02 551.02 Orilling Co	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig	6 10/27 6 1/4 Finale from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Mud Cum. Mud Cum. Mud Cum.	32.96 551.02 551.02 551.02 551.02 551.02 551.02 Orilling Co	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1600 1600 to 1630	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig	6 10/27 6 1/4 Finale from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 552.02 Item Drilling Fool Drilling Day Water Drilling Mud	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02  Drilling Co	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1600 1600 to 1630	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig	6 10/27 6 1/4 Finale from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Mud Cum. Mud Com, Mud Loggin Cement all	32.96 551.02 551.02 551.02 551.02 551.02  7 illing Co	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Final from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.00  552.02  Item Drilling Dayr Water Drilling Mud Cum. Mud C Mud Loggin	32.96 551.02 551.02 551.02 551.02 551.02 551.02  Drilling Co tage work  Cost g Unit strings tests	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Finale from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Mud Cum. Mud ( Mud Loggin Cement all s Drill Stem T	32.96 551.02 551.02 551.02 551.02 551.02 551.02  Orilling Co tage work  Cost g Unit strings tests tests	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Final from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Mud Clim. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log	32.96 551.02 551.02 551.02 551.02 551.02 551.02 0rilling Co	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Final from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Mud Cum. Mud C Mud Loggin Cement all : Drill Strill Str	32.96 551.02 551.02 551.02 551.02 551.02 551.02 0rilling Co	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Final from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Mud Cum. Mud C Mud Loggin Cement all : Drill Strill Str	32.96 551.02 551.02 551.02 551.02 551.02 551.02 0rilling Co	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Final from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Mud Cum. Mud C Mud Loggin Cement all : Drill Strill Str	32.96 551.02 551.02 551.02 551.02 551.02 551.02 0rilling Co	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Final from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Mud Cum. Mud Coggin Cement all : Drill Stem T Electric Log Bits, Supplie Casing & W	32.96 551.02 551.02 551.02 551.02 551.02 551.02  Drilling Co tage work  Cost g Unit strings ests s es 'ell Head	sts
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Final from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Mud Cum. Mud Coggin Cement all sorill Stem T Electric Log Bits, Supplic Casing & W	32.96 551.02 551.02 551.02 551.02 551.02 551.02  Orilling Co tage work  Cost g Unit strings rests s ses rell Head	Daily
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Final from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  Stem Drilling Fool Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily Total Well	32.96 551.02 551.02 551.02 551.02 551.02 551.02  Drilling Co tage work  Cost g Unit strings rests s es (ell Head	Daily  Sts  Daily  \$40,751
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Final from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  Stem Drilling Fool Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W Other	32.96 551.02 551.02 551.02 551.02 551.02 551.02  Drilling Co tage work  Cost g Unit strings rests s es (ell Head	\$40,751 \$408,196
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Final from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  552.02  Item Drilling Foot Orilling Mud Cum. Mud (Cum. Mud (Cum	32.96 551.02 551.02 551.02 551.02 551.02  Orilling Co tage work  Cost g Unit strings ests s es cell Head	\$40,751 \$408,196
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Final from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  552.02  Item Drilling Fool Drilling Mud Cum. Mud (Cum. Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Car Rotating Drlg.(non ro	32.96 551.02 551.02 551.02 551.02 551.02  Orilling Co tage work  Cost g Unit strings ests s es es (ell Head	\$40,751 \$408,196
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Final from 4, survey @ 4' 204' to 4,26	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  552.02  Item Drilling Foot Orilling Mud Cum. Mud (Cum. Mud (Cum	32.96 551.02 551.02 551.02 551.02 551.02  Orilling Co tage work  Cost g Unit strings ests s es es (ell Head	\$40,751 \$408,196
Monel Dill collars  Hours 0600 to 1130 1130 to 1300 1300 to 1600 1600 to 1630 1630 to 0600	1 17 Drill 8-1/2" I Directional Drill from 4, Service rig Drill from4,2	6 10/27 6 1/4 Finale from 4, survey @ 4' 204' to 4,26 266' to 4,418	2 3/4 2 1/2 Report of 138' to 4,20 189' was 4.2 6' ROP=20	4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 4' ROP=12' 2 & 46.5. Ha .66' PER/HR	93 92 92 PER/HR d1 mis-run.	Total	3 29.96 518.06 518.06  Item Drilling Fool Drilling Gool Outling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Dally Total Well Time Cat Rotating Drig.(non ro	32.96 551.02 551.02 551.02 551.02 551.02 551.02  Drilling Co tage work  Cost g Unit strings ests s est 'ell Head  Costs Costs tegory tating)	\$40,751 \$408,196

Well Name	Т	wo Fer 26-3	0		Location		SEC 26 - T	26S - R 30	E
Date	7/16/09	Rig		ntier 7	Present Op	eration	Drilli	ng ahead @	4,630'
Day No.	10	Formation		44401	Lithology	·n		0000	
Depth ft	4,630	Previous De		4418'	Proposed 1		9.42	6800 ft. per hr.	
Made	212	ft in	22.5	hrs <b>Mud</b>	Drilling rate	1 (0)	9.42	it. per iii.	
Weight	14.5	Chlorides	205,000	Calcium	6,000	Solids	LGS=1.8	L.C.M.	NO
VIS. Fun.	43	P.V.	23	Y.P.	17	Gels	11/19	PH	7.5
Water loss	10.4	Filter Cake	2	KCL %	NA	Oil %	NA	Nitrates	NA
				Mud Gas					
Average	16	Maximum	126	Connection		Trip	NO	Flare	NO
		Mud add	litions last	24 nours	Product	& Quantity			
				_					
				Bit R	ecord				
WOB	32/36	RPM	70/90			ative Rotatin	g Hours	474.5	
Dull Bit No.		Size		Туре		Ser. No.		Jets	
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	2	Size	8.5"	Type	HT52A	Ser. No.	DN2508	Jets	3X32
Depth in	4107	Made	523	ft in	50.5	hrs.	Avg. ft./hr. le Drag an	10.36	on Info
Mard Dames		mps No. 2	BOF	Inform			Weight		Conditions
Mud Pump Make	<b>No. 1</b> F 1000	F 1000	Size	Depth	Min. Burst		105 K		Spots Out
Liner	6"	6"	9 5/8"	2,960'	9265	Pick Up	108 K	Depth	Over Pull
Stroke	10"	10"	0 0.0	Shoe test		Slack Off	101 K	NONE	
SPM	93		Equiv. Muc		_	Rotating T	orque		
GPM	321			Last BOP C		Neutral			
Pump psi	1030		Pressure T	•	8,000	Pick Up			eight trip In
Slow Pump F	# 1 45	#1	BOP Drill &		YES	Slack Off Last Date	DUA	NONE	<u> </u>
SPM		55	Drill String		60	Inspected		Ct of Cill	N/A
Pump psi	225	325	Annular Vo	m Hole A	246		07/3/09 tion	Ft. of Fill	N/A
		ii String a	ina Bollo	III HOIE A	saeiiiniy (	Johngura	aon	Cumula	tive ft from
Si	Drill Pipe	Grade	TubalD	T I Time	T 1 10	T. J. O.D.	Length	top of c	tive ft. from
<b>Size</b> 4-1/2"	Weight 16.6	G Pipe	3.826	<b>T.J. Type</b> 4 1/2" XH		1. J. O.D.	Lengin	lopoic	Ollais
-1172	10.0	O T IPO	0.020	- 172 741	<del>                                     </del>				
	†								
	<u> </u>	<u> </u>							
		le Assembl		<u> </u>	11-15	01	1		lative feet
Item	Quantity	O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	Cumu from b	
Bit	Quantity 1	<b>O.D.</b> 8 1/2	I.D.	4-1/2 reg	99	Grade	1	from b	oit
Bit Bit sub	Quantity	O.D.	I.D. 3		99	Grade			oit .
Bit	Quantity 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo	99	Grade	1 3	32.96 551.02	oit .
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02 551.02	oit
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02 551.02 551.02	oit
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02 551.02 551.02 551.02	oit .
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02 551.02 551.02	oit
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27 6 1/4	I.D. 3 2 3/4 2 1/2	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93 92		1 3 29.96 518.06	32.96 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours	Quantity 1 1 1 1 17	O.D. 8 1/2 6 1/2 6 10/27 6 1/4	3 2 3/4 2 1/2 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92		1 3 29.96 518.06	32.96 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 0730	Quantity  1 1 1 1 17  Drilling 8-1/	O.D. 8 1/2 6 1/2 6 10/27 6 1/4 F F	I.D. 3 2 3/4 2 1/2 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation 423' ROP=	99 93 92 92 1.33' per/hr		1 3 29.96 518.06 552.02 Ltem Drilling Fool	32.96 551.02 551.02 551.02 551.02 551.02 551.02	ests
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830	Quantity  1 1 1 1 17 Drilling 8-1/	O.D. 8 1/2 6 1/2 6 10/27 6 1/4 F 2" hole from survey @ 4,	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation 423' ROP= 3 deg, AZM	99 93 92 92 1.33' per/hr		1 3 29.96 518.06 552.02 E Item Drilling Fool Drilling Day	32.96 551.02 551.02 551.02 551.02 551.02 551.02	ests
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500	Quantity  1 1 1 17  Drilling 8-1/ Directional Drill from 4,	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fruit Hole from survey @ 4, 421' to 4,45	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation 423' ROP= 3 deg, AZM	99 93 92 92 1.33' per/hr		1 3 29.96 518.06 518.06 Etem Drilling Fool Drilling Days Water	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	ests
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830	Quantity  1 1 1 17  Drilling 8-1/ Directional Drill from 4, Rig Service	O.D. 8 1/2 6 1/2 6 10/27 6 1/4 F 72" hole from survey @ 4, 421' to 4,45	I.D.  3 2 3/4 2 1/2  Report of 4,421' to 4 406' was 5. 2' ROP = 4.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation 423' ROP= 3 deg, AZM 77' per/hr	99 93 92 92 1.33' per/hr 38.6	Total	1 3 29.96 518.06 552.02 E Item Drilling Fool Drilling Day	32.96 551.02 551.02 551.02 551.02 551.02 551.02	ests
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Quantity  1 1 1 17  Drilling 8-1/ Directional Drill from 4, Rig Service	O.D. 8 1/2 6 1/2 6 10/27 6 1/4 F 72" hole from survey @ 4, 421' to 4,45	I.D.  3 2 3/4 2 1/2  Report of 4,421' to 4 406' was 5. 2' ROP = 4.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation 423' ROP= 3 deg, AZM 77' per/hr	99 93 92 92 1.33' per/hr 38.6	Total	1 3 29.96 518.06 518.06 Element    552.02 Element    Drilling Fool Drilling Days Water   Drilling Mud	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	ests
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Drilling 8-1/Directional Drill from 4 Drill from 4	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fruit Hole from survey @ 4, 421' to 4,45	I.D.  3 2 3/4 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 0peration 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6	Total	1 3 29.96 518.06 518.06 552.02 Etem Drilling Fool Drilling Mud Cum. Mud Cum. Mud Cum. Mud Loggin Cement all	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	ests
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Drilling 8-1/Directional Drill from 4, Rig Service Drill from 4	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fruit Hole from Survey @ 4, 421' to 4,45	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.  0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operatior 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6 the Salt 13	Total	1 3 29.96 518.06 518.06 518.06 552.02 Etem Drilling Fool Drilling Mud Cum. Mud (  Mud Loggin Cement all :   Drill Stem T	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	ests
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Drilling 8-1/Directional Drill from 4, Rig Service Drill from 4, Note: Rais Plan is to	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fraise mud wt. fra	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.  0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 0peration 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6 the Salt 13	Total	1 3 29.96 518.06 518.06 552.02 Item Drilling Fool Drilling Mud Cum. Mud (  Mud Loggin Cement all :   Drill Stem T   Electric Log	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	ests
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Drilling 8-1/Directional Drill from 4, Rig Service Drill from 4	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fraise mud wt. fra	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.  0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operatior 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6 the Salt 13	Total	1 3 29.96 518.06 518.06 518.06 Electric Log Bits, Supplie	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	ests
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Drilling 8-1/Directional Drill from 4, Rig Service Drill from 4, Note: Rais Plan is to	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fraise mud wt. fra	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.  0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operatior 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6 the Salt 13	Total	1 3 29.96 518.06 518.06 552.02 Item Drilling Fool Drilling Mud Cum. Mud (  Mud Loggin Cement all :   Drill Stem T   Electric Log	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	ests
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Drilling 8-1/Directional Drill from 4, Rig Service Drill from 4, Note: Rais Plan is to	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fraise mud wt. fra	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.  0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operatior 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6 the Salt 13	Total	1 3 29.96 518.06 518.06 518.06 Electric Log Bits, Supplie	3 32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	ests
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Drilling 8-1/Directional Drill from 4, Rig Service Drill from 4, Note: Rais Plan is to	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fraise mud wt. fra	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.  0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operatior 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6 the Salt 13	Total	1 3 29.96 518.06 518.06 518.06 552.02 Elem Drilling Fool Drilling Mud Cum. Mud Cum. Mud Loggin Cement all prill Stem T Electric Log Bits, Supplie Casing & W	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	ests Daily
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Drilling 8-1/Directional Drill from 4, Rig Service Drill from 4, Note: Rais Plan is to	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fraise mud wt. fra	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.  0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operatior 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6 the Salt 13	Total	1 3 29.96 518.06 518.06 518.06 518.06 552.02 Elem Drilling Fool Drilling Mud Curn. Mud Curn. Mud Competent all prill Stem T Electric Log Bits, Supplic Casing & W	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 Cost gunit strings ests s est (ell Head	poit  Posts Daily  \$38,755
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Drilling 8-1/Directional Drill from 4, Rig Service Drill from 4, Note: Rais Plan is to	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fraise mud wt. fra	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.  0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operatior 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6 the Salt 13	Total	1 3 29.96 518.06 518.06 518.06 518.06 552.02 Etem Drilling Fool Drilling Mud Cum. Mud Loggin Cement all prill Stem T Electric Log Bits, Supplic Casing & W	32.96 551.02	\$38,755 \$446,951
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Drilling 8-1/Directional Drill from 4, Rig Service Drill from 4, Note: Rais Plan is to	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fraise mud wt. fra	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.  0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operatior 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6 the Salt 13	Total	1 3 29.96 518.06 518.06 518.06 518.06 552.02 Elem Drilling Fool Drilling Mud Curn. Mud Curn. Mud Competent all prill Stem T Electric Log Bits, Supplic Casing & W	32.96 551.02	poit  Posts Daily  \$38,755
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Drilling 8-1/Directional Drill from 4, Rig Service Drill from 4, Note: Rais Plan is to	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fraise mud wt. fra	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.  0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operatior 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6 the Salt 13	Total	1 3 29.96 518.06 518.06 518.06 552.02 Eltem Drilling Fool Drilling Day Water Drilling Mud Cum. Mud Cum. Mud Cognin Stem T Electric Log Bits, Supplic Casing & W	strings costs costs tegory	\$38,755 \$446,951 Hrs.
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Drilling 8-1/Directional Drill from 4, Rig Service Drill from 4, Note: Rais Plan is to	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fraise mud wt. fra	I.D.  3 2 3/4 2 1/2 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.  0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operatior 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6 the Salt 13	Total	1 3 29.96 518.06 518.06 518.06 518.06 552.02 Etem Drilling Fool Drilling Mud Cum. Mud Loggin Cement all prill Stem T Electric Log Bits, Supplic Casing & W	3 32.96 551.02 5	\$38,755 \$446,951
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Quantity  1 1 1 17  Drilling 8-1/ Directional Drill from 4, Rig Service Drill from 4  Note: Rais Plan is to I Held BOP	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fraise mud wt. fraise mud wDrill	I.D.  3 2 3/4 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operatior 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in	99 93 92 92 1.33' per/hr 38.6 the Salt 13	Total	1 3 29.96 518.06 518.06 552.02  Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud Coggin Cement all comment all comm	stage work  Cost g Unit strings ests s sell Head  Costs	\$38,755 \$446,951 Hrs.
Bit Bit sub Monel Dill collars  Hours 0600 to 0730 0730 to 0830 0830 to 1500 1500 to 1530	Quantity  1 1 1 17  Drilling 8-1/ Directional Drill from 4 Rig Service Drill from 4  Note: Rais Plan is to 1 Held BOP	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fraise mud wt. fra	I.D.  3 2 3/4 2 1/2  Report of 4,421' to 4,406' was 5.2' ROP = 4.0' ROP=11.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation 423' ROP= 3 deg, AZM 77' per/hr 5'.(Drilling in pg by 4,775	99 93 92 92 1.33' per/hr 38.6 the Salt 13	ROP=18)	1 3 29.96 518.06 518.06 552.02  Item Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Ca'  Drlg. rotatin Rig Service	stage work  Cost g Unit strings ests s est (ell Head)  Costs tegory  g dd Events	\$38,755 \$446,951 Hrs.

Well Name	Τ.	wo Fer 26-3	0		Location		SEC 26 - 1	26S - R 30	E
Date	7/17/09	Rig		itier 7	Present Op	eration		ng ahead @	
Day No.	11	Formation	Sa	īt 15	Lithology				
Depth ft	4,762	Previous De		4630'	Proposed T	D		6800	
Made	132	ft in	23	hrs	Drilling rate	of	5.74	ft. per hr.	
				Mud					
Weight	15.6	Chlorides	207,000	Calcium	6000	Solids	LGS=1.8	L.C.M.	NONE_
VIS. Fun.	46	P.V.	24	Y.P.	19	Gels	11/19	PH	7.5
Water loss	10.2	Filter Cake	2	KCL %	NONE	Oil %	NONE	Nitrates	NONE
				Mud Gas					
Average	40	Maximum	1236	Connection		Trip	NO	NO	
		Mud add	litions last	24 nours	Product &	& Quantity			
				Bit R	ecord				
WOB	34/38	RPM	80/90	· · ·		ative Rotatin	a Hours	498	
Dull Bit No.	0-1/00	Size		Type	Caman	Ser. No.	g	Jets	
Depth Out		. Made	<del></del>	ft in		hrs. Ft/hr		Dull Gr.	<del></del>
Present Bit #	2	Size	8.5"	Type	HT52A	Ser. No.	DN2508	Jets	3X32
Depth in	4107	Made	655	ft in	73.5	hrs.	Avg. ft./hr.	8.91	
		mps	BOF	Inform	ation	Ho	le Drag an	d Conditi	on Info.
Mud Pump	No. 1	No. 2		pest Casing		String	Weight		onditions
Make	F 1000	F 1000	Size	Depth	Min. Burst		110 k		Spots Out
Liner	6"	6"	9 5/8"	2,960'	9265	Pick Up	112k	Depth	Over Pull
Stroke	10"	10"		Shoe test	NO	Slack Off	108k	NONE	
SPM	93		Equiv. Mud			Rotating T			
GPM	321			Last BOP (	heck	Neutral			
Pump psi	1150		Pressure T		8,000	Pick Up		Takes W	eight trip In
Slow Pump F	-	#1	BOP Drill 8		YES	Slack Off	·	NONE	1
SPM	45	55	Drill String		62	Last Date	ВНА		•
Pump psi	225	325	Annular Vo		257	Inspected	07/3/09	Ft. of Fill	N/A
rump psi		II String a						11 6. 01 1	
		_	iid Botto	m noic A	sacilibly (	Johnigara		0	U & france
	Drill Pipe								tive ft. from
Size	Weight	Grade		T.J. Type		<sub>,</sub> T. J. O.D.	Length	top of c	onars
4-1/2"	16.6	G Pipe	3.826	4 1/2" XH			<u> </u>		
	_			_					
	Dottom He	la Assambl			1	<u> </u>	<u> </u>	Cumu	lative feet
14		le Assembl	y I.D.	Thread	Lbs./ft	Grade	Length	from b	
Item Bit	Quantity 1	O.D.   8 1/2	ı.b.	4-1/2 reg	99	l	1 1	1101111	,,,,
Bit sub	1	6 1/2	3	41/2reg/xo		<del> </del>	3	3	
Monel	1	6 10/27	2 3/4	4-1/2 xo	93	<del> </del>	29.96	32.96	
Dill collars	17	6 1/4	2 1/2	4-1/2 xo	92	<b></b>	518.06	551.02	
_ Dill collars	<del>                                     </del>	<del>                                     </del>	- ''-		<u>"-</u>		0.000	551.02	
				_				551.02	
	·····			_	<u> </u>			551.02	
	-			_		<b>—</b> ——		551.02	
	<u> </u>			_				551.02	
	<u> </u>			_	1	Total	552.02		
	·	F	Report of	Operation			002.02		
Harres			COOCICOI		15			rilling Co	sts
HOUSE	1		-		1S			rilling Co	
Hours 0600 to 1030	Drill F/4 63		<del>-</del>	_	is		Item C		ests Daily
0600 to 1030		0' to 4,669'	ROP = 8.6'	per/hr			Item Drilling Foot	tage	
0600 to 1030 1030 to1100	Directional	0' to 4,669' survey @ 4,	ROP = 8.6' 654' was 7	per/hr deg w/38.8 /			Item C	tage	
0600 to 1030 1030 to1100 1100 to1230	Directional Drill F/4,66	0' to 4,669' survey @ 4, 9' to 4674'	ROP = 8.6' 654' was 7 ( ROP = 3.3'	per/hr deg w/38.8 / per/hr	AZM		Item Drilling Fool Drilling Day Water	tage work	
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230	Directional Drill F/4,669 Drill F/ 467	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700'	ROP = 8.6' 654' was 7 ( ROP = 3.3'	per/hr deg w/38.8 / per/hr	AZM		Item Drilling Fool Drilling Day	lage work	
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467 Rig service	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700'	ROP = 8.6' 654' was 7 ( ROP = 3.3' ROP = 5.2'	per/hr deg w/38.8 / per/hr per/hr Drlg i	AZM in the Clastic	2 14	Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud (	tage work Cost	
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230	Directional Drill F/4,669 Drill F/ 4674 Rig service ROP went	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700'	ROP = 8.6' 654' was 7 ( ROP = 3.3' ROP = 5.2'	per/hr deg w/38.8 / per/hr per/hr Drlg i	AZM in the Clastic 700' to 4,762	2 14	Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	tage work Cost g Unit	
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467 Rig service	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700'	ROP = 8.6' 654' was 7 ( ROP = 3.3' ROP = 5.2'	per/hr deg w/38.8 / per/hr per/hr Drlg i	AZM in the Clastic 700' to 4,762	2 14	Item Drilling Food Drilling Day Water Drilling Mud Cum. Mud (	tage work Cost g Unit strings	
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 4674 Rig service ROP went	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1	ROP = 8.6' 654' was 7 ( ROP = 3.3' ROP = 5.2'	per/hr deg w/38.8 / per/hr per/hr Drlg i	AZM in the Clastic 700' to 4,762	2 14	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all	tage work Cost g Unit strings ests	
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467 Rig service ROP went ROP = 15.7	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1	ROP = 8.6' 654' was 7 o ROP = 3.3' ROP = 5.2' 18' hr @ 470' Ig in the Sal	per/hr deg w/38.8 / per/hr per/hr Drlg i 7' Drlg F/47 t 15 formatio	AZM in the Clastic 700' to 4,762 on	> 14	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all	tage work Cost g Unit strings ests	
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,666 Drill F/467 Rig service ROP went ROP = 15.7 HELD BOP ON CONNE	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1 71 Dr P DRILL CTIONS CHE	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 7' Drlg F/47 t 15 formatio	AZM in the Clastic 700' to 4,762 on	PUMPS	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all: Drill Stem T Electric Log Bits, Suppli Casing & W	tage work Cost g Unit strings ests s	
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467- Rig service ROP went ROP = 15.7  HELD BOP ON CONNE Set alarms Note: Geo	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1 71 Dr P DRILL CTIONS CHE 5 for pit gair logist said I	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 17' Drlg F/47 t 15 formatio	AZM In the Clastic 700' to 4,762 on KING IN MUD	PUMPS	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	tage work Cost g Unit strings ests s	
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467- Rig service ROP went ROP = 15.7  HELD BOP ON CONNE Set alarms Note: Geo	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1 71 Dr P DRILL CTIONS CHE	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 17' Drlg F/47 t 15 formatio	AZM In the Clastic 700' to 4,762 on KING IN MUD	PUMPS	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	tage work Cost g Unit strings ests s	
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467- Rig service ROP went ROP = 15.7  HELD BOP ON CONNE Set alarms Note: Geo	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1 71 Dr P DRILL CTIONS CHE 5 for pit gair logist said I	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 17' Drlg F/47 t 15 formatio	AZM In the Clastic 700' to 4,762 on KING IN MUD	PUMPS	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	tage work Cost g Unit strings ests s	
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467- Rig service ROP went ROP = 15.7  HELD BOP ON CONNE Set alarms Note: Geo	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1 71 Dr P DRILL CTIONS CHE 5 for pit gair logist said I	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 17' Drlg F/47 t 15 formatio	AZM In the Clastic 700' to 4,762 on KING IN MUD	PUMPS	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	tage work Cost g Unit strings ests s es fell Head	
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467- Rig service ROP went ROP = 15.7  HELD BOP ON CONNE Set alarms Note: Geo	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1 71 Dr P DRILL CTIONS CHE 5 for pit gair logist said I	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 17' Drlg F/47 t 15 formatio	AZM In the Clastic 700' to 4,762 on KING IN MUD	PUMPS	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	tage work Cost g Unit strings ests s es fell Head	Daily
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467- Rig service ROP went ROP = 15.7  HELD BOP ON CONNE Set alarms Note: Geo	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1 71 Dr P DRILL CTIONS CHE 5 for pit gair logist said I	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 17' Drlg F/47 t 15 formatio	AZM In the Clastic 700' to 4,762 on KING IN MUD	PUMPS	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	cost g Unit strings ests ses (ell Head	\$35,721
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467- Rig service ROP went ROP = 15.7  HELD BOP ON CONNE Set alarms Note: Geo	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1 71 Dr P DRILL CTIONS CHE 5 for pit gair logist said I	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 17' Drlg F/47 t 15 formatio	AZM In the Clastic 700' to 4,762 on KING IN MUD	PUMPS	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	cost g Unit strings sests ses (ell Head	\$35,721 \$482,672
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467- Rig service ROP went ROP = 15.7  HELD BOP ON CONNE Set alarms Note: Geo	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1 71 Dr P DRILL CTIONS CHE 5 for pit gair logist said I	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 17' Drlg F/47 t 15 formatio	AZM In the Clastic 700' to 4,762 on KING IN MUD	PUMPS	Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca	cost g Unit strings sests ses (ell Head	\$35,721 \$482,672 Hrs.
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467- Rig service ROP went ROP = 15.7  HELD BOP ON CONNE Set alarms Note: Geo	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1 71 Dr P DRILL CTIONS CHE 5 for pit gair logist said I	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 17' Drlg F/47 t 15 formatio	AZM In the Clastic 700' to 4,762 on KING IN MUD	PUMPS	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud (Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplid Casing & W Other Cum. Daily Total Well Time Ca Drlg Rotatin	cost g Unit strings sests ses (ell Head	\$35,721 \$482,672 Hrs.
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467- Rig service ROP went ROP = 15.7  HELD BOP ON CONNE Set alarms Note: Geo	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 1 71 Dr P DRILL CTIONS CHE 5 for pit gair logist said I	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 17' Drlg F/47 t 15 formatio	AZM In the Clastic 700' to 4,762 on KING IN MUD	PUMPS	Item Drilling Foot Drilling Day Water Drilling Mud Cum. Mud (Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplid Casing & W Other Cum. Daily Total Well Time Ca Drlg Rotatir Service rig	cost g Unit strings sests ses (ell Head	\$35,721 \$482,672 Hrs. 23 0.5
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,669 Drill F/ 467- Rig service ROP went ROP = 15.7  HELD BOP ON CONNE Set alarms Note: Geo	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 171 Dr  P DRILL CTIONS CHE for pit gair logist said 14708'.Great	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 17' Drlg F/47 t 15 formatio	n the Clastic 700' to 4,762 on KING IN MUD the Salt 15 v drilling 16 t	PUMPS  would come o 19' per/hr	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud (Cum. Cum. Daily) Total Well Time Ca Drig Rotatir Service rig survey	tage work  Cost g Unit strings ests s es 'ell Head  Costs Costs tegory g	\$35,721 \$482,672 Hrs. 23 0.5
0600 to 1030 1030 to1100 1100 to1230 1230 to 2230 2230 to 2300	Directional Drill F/4,66 Drill F/ 467 Rig service ROP went ROP = 15.7 HELD BOP ON CONNE Set alarms Note: Geo in around	0' to 4,669' survey @ 4, 9' to 4674' 4' to 4700' from 1.7 to 171 Dr  P DRILL CTIONS CHE for pit gair logist said 14708'.Great	ROP = 8.6' 654' was 7 of ROP = 3.3' ROP = 5.2' 8' hr @ 470' lg in the Sal	per/hr deg w/38.8 A per/hr per/hr Drlg i 17' Drlg F/47 t 15 formatio	AZM In the Clastic 700' to 4,762 on KING IN MUD	PUMPS	Item Drilling Fool Drilling Day Water Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Car Drig Rotatir Service rig survey Evaluation	cost g Unit strings ests s es (ell Head	\$35, \$482,

Well Name	Т	wo Fer 26-3	0		Location		SEC 26 - T	26S - R 30	E
Date	7/18/09	Rig		ntier 7	Present Op	eration	Drilli	ng ahead @	4,970'
Day No.	12	Formation	Clast	ic 15 ?	Lithology				
Depth ft	4,970	Previous De		4762'	Proposed T			6800	
Made	208'	ft in	22.75	hrs <b>Mud</b>	Drilling rate	of	9.10	ft. per hr.	
Weight	15.6	Chlorides	206,000	Calcium	6,000	Solids	LGS = 1.7	L.C.M.	NONE
VIS. Fun.	45	P.V.	22	Y.P.	21	Gels	12/20	PH	7.5
Water loss	10.2	Filter Cake		KCL %	NA NA	Oil %	NA	Nitrates	NA
		•		Mud Gas		•			
Average	40	Maximum	323	Connection	323	Trip	N/A	Flare	N/A
		Mud add	litions last	24 hours	Product 8	& Quantity			
			. ,	Bit R	ecord				
WOB	34/38	RPM	75/90	<b>D</b> 1.11		ative Rotatir	ng Hours	520.75	
Dull Bit No.		Size		Type		Ser. No.		Jets	<b>-</b>
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	2	Size	8.5"	Туре	HT52A	Ser. No.	DN2508	Jets	3X32
Depth in	4107	Made	863	ft in	96.25	hrs.	Avg. ft./hr.	8.97	
	Pur	mps	BOF	Inform	ation	Но	le Drag an	d Conditi	on Info.
Mud Pump	No. 1	No. 2	Dee	pest Casing	Set		g Weight		Conditions
Make	F 1000	F 1000	Size	Depth	Min. Burst		107 K		Spots Out
Liner	6"	6"	9 5/8"	2,960'	9265	Pick Up	115 K	Depth	Over Pull
Stroke	10"	10"		Shoe test		Slack Off	105 K	NONE	
SPM	93		Equiv. Muc		NONE	Rotating T			L
GPM	321		Date	Last BOP C	heck	Neutral	NONE		
Pump psi	1150		Pressure T	ested To	8,000	Pick Up		Takes W	eight trip In
Slow Pump F	F #1	#1	BOP Drill 8	k Function	YES	Slack Off		NONE	
SPM	31	41	Drill String	Vol. Bbls.	80	Last Date	BHA		<u> </u>
Pump psi	220	300	Annular Vo	l. Bbls.	242	inspected	07/3/09	Ft. of Fill	
• •	Dri	II String a	nd Botto	m Hole As	sembly (	Configura	tion		
	Drill Pipe							Cumula	tive ft. from
Size	Weight	Grade	Tube I D	T.J. Type	T.L.ID.	T. J. O.D.	Length	top of c	
4-1/2"	16.6	G Pipe	3.826	4 1/2" XH		1	l l	1000.0	0
7-1/2	10.0	O T IPO	0.020	7 1/2 /41		<del></del>			
	1								
	1								
	Bottom Ho	le Assembl						Cumu	lative feet
item		le Assembl		Thread	Lbs./ft	Grade	Length	Cumu from t	
Item Bit	Quantity	O.D.	y 1.D.		<b>Lbs./ft</b>	Grade	Length		
Bit		O.D. 8 1/2		4-1/2 reg	99	Grade			oit
	Quantity 1	O.D. 8 1/2	1.D.	4-1/2 reg 41/2reg/xo	99	Grade	1 1	from i	oit
Bit Bit sub	Quantity 1 1	O.D. 8 1/2 6 1/2	1.D. 3	4-1/2 reg	99	Grade	1 3	from i	oit
Bit Bit sub Monel	Quantity 1 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	1.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02 551.02	oit
Bit Bit sub Monel	Quantity 1 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	1.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02 551.02 551.02	oit
Bit sub Monel	Quantity 1 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	1.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02 551.02 551.02 551.02	pit
Bit sub Monel	Quantity 1 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	1.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 551.02 551.02 551.02 551.02	oit
Bit sub Monel	Quantity 1 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	1.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99		1 3 29.96 518.06	32.96 551.02 551.02 551.02 551.02	oit
Bit sub Monel	Quantity 1 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	1.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96 518.06	32.96 551.02 551.02 551.02 551.02	oit
Bit sub Monel	Quantity 1 1 1 1	O.D. 8 1/2 6 1/2 6 10/27 6 1/4	1.D. 3 2 3/4 2 1/2	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93 92		1 3 29.96 518.06	32.96 551.02 551.02 551.02 551.02	oit .
Bit sub Monel	Quantity 1 1 1 1	O.D. 8 1/2 6 1/2 6 10/27 6 1/4	1.D. 3 2 3/4 2 1/2	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo	99 93 92		1 3 29.96 518.06	32.96 551.02 551.02 551.02 551.02	oit .
Bit Bit sub Monel Dill collars	Quantity 1 1 1 1 1 17	O.D. 8 1/2 6 1/2 6 10/27 6 1/4	1.D. 3 2 3/4 2 1/2 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 518.06	32.96 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015	Quantity  1 1 1 1 17  Drill 8-1/2" Changed o	O.D. 8 1/2 6 1/2 6 10/27 6 1/4 Find the F/4,762 ut rotating h	3 2 3/4 2 1/2 Report of	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 518.06 518.06	\$32.96 551.02 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 1015 to 2000	Quantity  1  1  1  17  Drill 8-1/2"  Changed oi	O.D. 8 1/2 6 1/2 6 10/27 6 1/4 Fhole F/4,762 ut rotating he 5' to 4918'	1.D.  3 2 3/4 2 1/2  Report of " to 4,825" ead rubber and rubber ROP = 9.78	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.75 element	99 93 92 92 85	Total	1 3 29.96 518.06 552.02 Ltem Drilling Foot Drilling Days	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015	Quantity  1 1 1 17  Drill 8-1/2"  Changed o  Drill F/4,82!  Circ. 15 min	O.D. 8 1/2 6 1/2 6 10/27 6 1/4 Fhole F/4,762 ut rotating he 5' to 4918'	1.D.  3 2 3/4 2 1/2  Report of " to 4,825" ead rubber and rubber ROP = 9.78	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.75 element	99 93 92 92 85	Total	1 3 29.96 518.06 518.06 552.02 C Item Drilling Foot Drilling Days Water Drilling Mud	32.96 551.02 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100	Quantity  1 1 1 17  Drill 8-1/2"  Changed of Changed of Circ. 15 mir  AZM 35.3	O.D. 8 1/2 6 10/27 6 10/27 6 1/4 Fhole F/4,762 ut rotating 5' to 4918' 7. & took dire	1.D.  3 2 3/4 2 1/2  Report of  'to 4,825' ead rubber of ROP = 9.78 ectional wire	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.75 elelement ' per/hr el line survey	99 93 92 92 85	Total	1 3 29.96 518.06 518.06 552.02 Ettem Drilling Foot Orilling Days Water Drilling Mud Cum. Mud	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2200 2100 to 2230	Quantity  1 1 17 17  Drill 8-1/2" Changed o Drill F/4,82 Circ. 15 min AZM 35.3 Drill F/4918	O.D. 8 1/2 6 1/2 6 10/27 6 1/4 Fhole F/4,762 ut rotating his 5' to 4918' 1' to 4947' R	1.D.  3 2 3/4 2 1/2  Report of  'to 4,825' ead rubber of ROP = 9.78 ectional wire	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.75 element ' per/hr e line survey	99 93 92 92 95' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 552.02 Etem Drilling Foot Drilling Mud Cum. Mud C Mud Loggin	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 1015 to 2000 2000 to 2100	Quantity  1 1 17 17  Drill 8-1/2"  Changed o Drill F/4,82! Circ. 15 min AZM 35.3  Drill F/4918	O.D. 8 1/2 6 1/2 6 10/27 6 1/4 Fhole F/4,762 ut rotating his 5' to 4918' 1' to 4947' R	1.D.  3 2 3/4 2 1/2  Report of  'to 4,825' ead rubber of ROP = 9.78 ectional wire	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.75 element ' per/hr e line survey	99 93 92 92 95' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 552.02 Elem Drilling Foot Drilling Mud Cum. Mud Cum. Mud Coment all s	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2200 2100 to 2230	Quantity  1 1 17 17  Drill 8-1/2"  Changed o Drill F/4,82! Circ. 15 min AZM 35.3  Drill F/4918	O.D. 8 1/2 6 1/2 6 10/27 6 1/4 Fhole F/4,762 ut rotating his 5' to 4918' 1' to 4947' R	1.D.  3 2 3/4 2 1/2  Report of  'to 4,825' ead rubber of ROP = 9.78 ectional wire	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.75 element ' per/hr e line survey	99 93 92 92 95' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 518.06 552.02 Item Drilling Foot Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2200 2100 to 2230	Drill 8-1/2" Changed o Drill F/4,82 Circ. 15 mir AZM 35.3 Drill F/4918 Drilling Class	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating he 5' to 4918' n. & took dire 8' to 4947' R stic formation	1.D.  3 2 3/4 2 1/2  Report of  'to 4,825' ead rubber of ROP = 9.78 ectional wire	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.75 element ' per/hr e line survey	99 93 92 92 95' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 518.06 552.02 Item Drilling Foot Drilling Mud Cum. Mud C Mud Loggin Cement all spill Stem T Electric Log	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2200 2100 to 2230	Drill 8-1/2" Changed o Drill F/4,82: Circ. 15 min AZM 35.3 Drill F/4918 Drilling Clas	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating hr 5' to 4918' n. & took dire 8' to 4947' R stic formation	1.D.  3 2 3/4 2 1/2  Report of  1' to 4,825' ead rubber of  ROP = 9.78 ectional wire  OP = 19.33 n F/4947' to	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.76 element ' per/hr eline survey ' per/hr 4970' ROP	99 93 92 92 8' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 552.02 Etem Drilling Foot Drilling Mud Cum. Mud Cugnin Gement all s Cement all s Electric Log Bits, Supplie	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2200 2100 to 2230	Drill 8-1/2" Changed o Drill F/4,82: Circ. 15 min AZM 35.3 Drill F/4918 Drilling Clas	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating hr 5' to 4918' n. & took dire 8' to 4947' R stic formation	1.D.  3 2 3/4 2 1/2  Report of  1' to 4,825' ead rubber of  ROP = 9.78 ectional wire  OP = 19.33 n F/4947' to	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.75 element ' per/hr e line survey	99 93 92 92 8' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 518.06 552.02 Item Drilling Foot Drilling Mud Cum. Mud C Mud Loggin Cement all spill Stem T Electric Log	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2200 2100 to 2230	Drill 8-1/2" Changed o Drill F/4,82: Circ. 15 min AZM 35.3 Drill F/4918 Drilling Clas	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating hr 5' to 4918' n. & took dire 8' to 4947' R stic formation	1.D.  3 2 3/4 2 1/2  Report of  1' to 4,825' ead rubber of  ROP = 9.78 ectional wire  OP = 19.33 n F/4947' to	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.76 element ' per/hr eline survey ' per/hr 4970' ROP	99 93 92 92 8' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 552.02 Etem Drilling Foot Drilling Mud Cum. Mud Cugnin Gement all s Cement all s Electric Log Bits, Supplie	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2	Drill 8-1/2" Changed o Drill F/4,82: Circ. 15 min AZM 35.3 Drill F/4918 Drilling Clas	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating hr 5' to 4918' n. & took dire 8' to 4947' R stic formation	1.D.  3 2 3/4 2 1/2  Report of  1' to 4,825' ead rubber of  ROP = 9.78 ectional wire  OP = 19.33 n F/4947' to	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.76 element ' per/hr eline survey ' per/hr 4970' ROP	99 93 92 92 8' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 552.02 Etem Drilling Foot Drilling Days Water Drilling Mud Cum. Mud Cum. Mud Coggin Cement all stem T Electric Log Bits, Supplie Casing & W	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	oit
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2	Drill 8-1/2" Changed o Drill F/4,82: Circ. 15 min AZM 35.3 Drill F/4918 Drilling Clas	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating hr 5' to 4918' n. & took dire 8' to 4947' R stic formation	1.D.  3 2 3/4 2 1/2  Report of  1' to 4,825' ead rubber of  ROP = 9.78 ectional wire  OP = 19.33 n F/4947' to	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.76 element ' per/hr eline survey ' per/hr 4970' ROP	99 93 92 92 8' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 518.06 552.02 Etem Drilling Foot Drilling Mud Cum. Mud Cum. Mud Com. Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W	\$32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	oit  Daily
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 to 2230	Drill 8-1/2" Changed o Drill F/4,82: Circ. 15 min AZM 35.3 Drill F/4918 Drilling Clas	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating hr 5' to 4918' n. & took dire 8' to 4947' R stic formation	1.D.  3 2 3/4 2 1/2  Report of  1' to 4,825' ead rubber of  ROP = 9.78 ectional wire  OP = 19.33 n F/4947' to	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.76 element ' per/hr eline survey ' per/hr 4970' ROP	99 93 92 92 8' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06  552.02  Item Drilling Foot Drilling Mud Cum. Mud Coggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W Other Cum. Daily	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02	posts Daily \$26,035
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2	Drill 8-1/2" Changed o Drill F/4,82: Circ. 15 min AZM 35.3 Drill F/4918 Drilling Clas	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating hr 5' to 4918' n. & took dire 8' to 4947' R stic formation	1.D.  3 2 3/4 2 1/2  Report of  1' to 4,825' ead rubber of  ROP = 9.78 ectional wire  OP = 19.33 n F/4947' to	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.76 element ' per/hr eline survey ' per/hr 4970' ROP	99 93 92 92 8' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 518.06 518.06 552.02 Etem Drilling Foot Drilling Mud Cum. Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W	32.96 551.02	\$26,035 \$509,567
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2	Drill 8-1/2" Changed o Drill F/4,82: Circ. 15 min AZM 35.3 Drill F/4918 Drilling Clas	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating hr 5' to 4918' n. & took dire 8' to 4947' R stic formation	1.D.  3 2 3/4 2 1/2  Report of  1' to 4,825' ead rubber of  ROP = 9.78 ectional wire  OP = 19.33 n F/4947' to	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.76 element ' per/hr eline survey ' per/hr 4970' ROP	99 93 92 92 8' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 518.06  552.02  Item Drilling Foot Drilling Mud Cum. Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W Other Cum. Daily Total Well Time Cat	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02  Orilling Co age work  Cost g Unit strings ests s es ell Head  Costs Costs tegory	\$26,035 \$509,567 Hrs.
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2	Drill 8-1/2" Changed o Drill F/4,82: Circ. 15 min AZM 35.3 Drill F/4918 Drilling Clas	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating hr 5' to 4918' n. & took dire 8' to 4947' R stic formation	1.D.  3 2 3/4 2 1/2  Report of  1' to 4,825' ead rubber of  ROP = 9.78 ectional wire  OP = 19.33 n F/4947' to	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.76 element ' per/hr eline survey ' per/hr 4970' ROP	99 93 92 92 8' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 518.06 5552.02	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02  Orilling Co age work  Cost g Unit strings ests s es ell Head  Costs Costs tegory	\$26,035 \$509,567 Hrs.
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2	Drill 8-1/2" Changed o Drill F/4,82: Circ. 15 min AZM 35.3 Drill F/4918 Drilling Clas	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating hr 5' to 4918' n. & took dire 8' to 4947' R stic formation	1.D.  3 2 3/4 2 1/2  Report of  1' to 4,825' ead rubber of  ROP = 9.78 ectional wire  OP = 19.33 n F/4947' to	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.76 element ' per/hr eline survey ' per/hr 4970' ROP	99 93 92 92 8' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 518.06 5552.02 Etem Drilling Foot Orilling Days Water Drilling Mud Cum. Mud Cum. Mud Cum. Mud Cum. Mud Coment all sorill Stem T Electric Log Bits, Supplie Casing & W Other Cum. Daily Total Well Time Car Drig Rotatin survey	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02  Frilling Co age work  Cost g Unit strings ests s est sell Head  Costs Costs tegory g	\$26,035 \$509,567 Hrs.
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2	Drill 8-1/2" Changed o Drill F/4,82: Circ. 15 min AZM 35.3 Drill F/4918 Drilling Clas	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating hr 5' to 4918' n. & took dire 8' to 4947' R stic formation	1.D.  3 2 3/4 2 1/2  Report of  1' to 4,825' ead rubber of  ROP = 9.78 ectional wire  OP = 19.33 n F/4947' to	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.76 element ' per/hr eline survey ' per/hr 4970' ROP	99 93 92 92 8' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06 552.02  Item Drilling Foot Orilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well Time Cat Drig Rotatin	32.96 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02 551.02  Frilling Co age work  Cost g Unit strings ests s est sell Head  Costs Costs tegory g	\$26,035 \$509,567 Hrs.
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 2200 to 2200 2100 to 2230	Quantity  1 1 1 17  Drill 8-1/2" Changed or Drill F/4,82' Circ. 15 mir AZM 35.3 Drill F/4918 Drilling Class HELD BOF HELD BOF	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating he 5' to 4918' n. & took dire 8' to 4947' R stic formatio	1.D.  3 2 3/4 2 1/2  Report of  1' to 4,825' ead rubber of  ROP = 9.78 ectional wire  OP = 19.33 n F/4947' to	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = 15.76 element ' per/hr eline survey ' per/hr 4970' ROP	99 93 92 92 8' per/hr @ 4903' wa	Total	1 3 29.96 518.06 518.06  552.02  Item Drilling Foot Orilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well Time Cat Drig Rotating survey Rotating rut Evaluation	strom b 32.96 551.02 55	\$26,035 \$509,567 Hrs.
Bit Bit sub Monel Dill collars  Hours 0600 to 1000 1000 to 1015 to 2000 to 2100 2100 to 2230	Quantity  1 1 1 17  Drill 8-1/2" Changed o Drill F/4,82! Circ. 15 mir AZM 35.3 Drill F/4918 Drilling Class HELD BOF HELD PLAN I	O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Fhole F/4,762 ut rotating he 5' to 4918' n. & took dire 8' to 4947' R stic formatio	1.D.  3 2 3/4 2 1/2  Report of  " to 4,825" ead rubber of ROP = 9.78 ectional wire OP = 19.33 n F/4947' to	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  ROP = 15.75 ellement ' per/hr elline survey ' per/hr 4970' ROP	99 93 92 92 98 99 99 90 90 90 90 90 90 90 90 90 90 90	Total  s 5.8 deg	1 3 29.96 518.06 518.06 552.02  Item Drilling Foot Orilling Day Water Drilling Mud Cum. Mud C Mud Loggin Cement all s Drill Stem T Electric Log Bits, Supplie Casing & W  Other Cum. Daily Total Well Time Cat Drig Rotatin	strom b 32.96 551.02 55	\$26,035 \$509,567 Hrs.

Well Name Date	-	wo Fer 26-3	Λ		Location		SEC 26 - T	26S - R 30	F
	7/19/09	Rig		ntier 7	Present Op	eration		w/bit # 3 to	
Day No.	13	Formation			Lithology				
Depth ft	5,178	Previous De	epth	4970'	Proposed T	D		6800	
Made	208	ft in	17.25		Drilling rate		12.06	ft. per hr.	
•		•		Mud	Ū				
Weight	15.6	Chlorides	208,000	Calcium	6,000	Solids	LGS=1.8	L.C.M.	NONE
VIS, Fun.	44	P.V.	21	Y.P.	22	Gels	13/20	PH	7.5
Water loss	10	Filter Cake		KCL %	NONE	Oil %	NONE	Nitrates	NONE
		· mor came		Mud Gas		75			
Average	30	Maximum	118	Connection	78	Trip	NONE	Flare	NONE
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			litions last	•		Quantity			
<del></del>		<u> </u>		Bit R	ecord		_		
WOB	36/38	RPM	85/90		Cumula	ative Rotatin	g Hours	538	_
Dull Bit No.	2	Size	8.5"	Туре	HT52A	Ser. No.	DN2508	Jets	3X32
Depth Out	5178	Made	1071	ft in	113.5	hrs. Ft/hr	9.44	Dull Gr.	3/8/in
Present Bit #	3	Size	8.5"	Туре	MXL-S11	Ser. No.	6052259	Jets	3X32
Depth in	5178	Made		ft in		hrs.	Avg. ft./hr.	#DIV/0!	
•	Pur	mps	BOF	Inform	ation	Но	le Drag an	d Conditi	on Info.
Mud Pump	No. 1	No. 2	Dee	pest Casing	Set	String	Weight	Trip (	Conditions
Make	F 1000	F 1000	Size	Depth	Min. Burst	Neutral	110	Tight	Spots Out
Liner	6"	6"	9 5/8"	2,960'	9265	Pick Up	115	Depth	Over Puli
Stroke	10"	10"		Shoe test		Slack Off	106	NONE	İ
SPM	93		Equiv. Mud	d Weight	N/A	Rotating T	orque		
GPM .	321			Last BOP (	heck	Neutral	N/A		
Pump psi	1150		Pressure T	ested To	8,000	Pick Up		Takes W	eight trip In
Slow Pump F		#1	BOP Drill 8		Yes	Slack Off			1 '
SPM	31	41	Drill String		65	Last Date	BHA		
Pump psi	220	300	Annular Vo		272	Inspected	07/3/09	Ft. of Fill	<del></del>
		II String a	nd Botto	m Hole As	sembly C	onfigurat	tion	•	
		_	iid Doile			· · · · · · · · · · · · · · · · · · ·		Cumula	tive ft. from
٥.	Drill Pipe		T	T   Toma	T	# 1 O D	1		
Size	Weight	Grade			T.J. I.D.	ı I. J. O.D.	Length	top of c	ollars
4-1/2"	16.6	G Pipe	3.826	4 1/2" XH	<u> </u>	<del></del> -			
					<del> </del>		ļ		<del></del>
	5	1	<u> </u>	L	l		L	C	lative feet
		le Assembl		Thursd	1 6- 16	Crada	Lanath		
Item	Quantity	O.D.	ı I.D.	Thread	Lbs./ft	Grade	Length	from l	)IE
Bit	1	8 1/2		4-1/2 reg			3	3	<del></del>
Bit sub Monel	1	6 1/2 6 10/27	3 2 3/4	41/2reg/xo 4-1/2 xo				32.96	
	1				93		29.96		
Dill collars	20	6 1/4	2 1/2	4-1/2 xo	93 92		29.96 611.96	644.92	?
						-		644.92 644.92	2
								644.92 644.92 644.92	2
								644.92 644.92 644.92 644.92	2
								644.92 644.92 644.92 644.92 644.92	2
						T-1-1	611.96	644.92 644.92 644.92 644.92	2
		6 1/4	2 1/2	4-1/2 xo	92	Total	611.96	644.92 644.92 644.92 644.92 644.92	22
Dill collars		6 1/4	2 1/2		92	Total	611.96 645.92	644.92 644.92 644.92 644.92 644.92	2 2 2 2 2
Dill collars  Hours	20	6 1/4	2 1/2	4-1/2 xo Operation	92	Total	611.96 645.92 Item	644.92 644.92 644.92 644.92 644.92 0rilling Co	22
Dill collars  Hours 0600 to 0915	20 Drilling 8-1/	6 1/4 F	2 1/2 Report of	4-1/2 xo  Operation  OP = 12.30'	92	Total	645.92  Item Drilling Fool	644.92 644.92 644.92 644.92 644.92 07 Filling Co	2 2 2 2 2
Dill collars  Hours 0600 to 0915 0915 to 0930	20 Drilling 8-1/Cleaned ou	6 1/4 F7/2" F/4,970' tt flow senso	2 1/2 Report of 0 5,010' R6 r & take SP	4-1/2 xo  Operation OP = 12.30' R.	92	Total	645.92  Item Drilling Fool Drilling Day	644.92 644.92 644.92 644.92 644.92 07 Filling Co	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600	Drilling 8-1/ Cleaned ou Drilling F/5,	6 1/4 FV2" F/4,970' t at flow senso 010' to 5,100	2 1/2  Report of  0 5,010' Ro  r & take SP  3' ROP = 14	4-1/2 xo  Operation  OP = 12.30' R. 4.30' per/hr.	92	Total	645.92  Item Drilling Fool Drilling Days	644.92 644.92 644.92 644.92 644.92 674.92 644.92 Orilling Co	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1630	Drilling 8-1/ Cleaned ou Drilling F/5, Rig service	6 1/4 F/2" F/4,970' t tt flow senso 010' to 5,10' c, changed or	2 1/2  Report of  o 5,010' Ro  r & take SP 3' ROP = 14  ut flow sens	4-1/2 xo  Operation  OP = 12.30' R. 4.30' per/hr. sor	92	Total	645.92  Item Drilling Fool Drilling Day Water Drilling Mud	644.92 644.92 644.92 644.92 644.92 644.92 Orilling Co	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1630 1630 to 1800	Drilling 8-1/ Cleaned ou Drilling F/5, Rig service Drilling F/5,	6 1/4 F/2" F/4,970' t tt flow senso 010' to 5,10' , changed or ,103' to 5,13'	2 1/2  Report of  0 5,010' R0  r & take SP  3' ROP = 1  ut flow sens  6' ROP = 2	4-1/2 xo  Operation  OP = 12.30' 'R. 4.30' per/hr. ior '2' per/hr	92 Per/hr.		645.92  Item Drilling Fool Drilling Mud Cum. Mud (Cum. M	644.92 644.92 644.92 644.92 644.92 Orilling Co	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1630 1630 to 1800 1800 to 1900	Drilling 8-1/ Cleaned ou Drilling F/5, Rig service Drilling F/5, Directional	6 1/4 /2" F/4,970' t it flow senso 010' to 5,100 1,03' to 5,130 survey @ 5,	2 1/2  Report of  o 5,010' R( r & take SP 3' ROP = 1/ 6' ROP = 2 120' was 5.	4-1/2 xo  Operation  OP = 12.30' R. 4.30' per/hr. sor 2' per/hr 6 deg & 33.9	92 Per/hr.		645.92  Item Drilling Fool Drilling Mud Cum. Mud ( Mud Loggin	644.92 644.92 644.92 644.92 644.92 Orilling Co	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1800 1800 to 1900 1900 to 2300	Drilling 8-1/ Cleaned ou Drilling F/5, Rig service Drilling F/5, Directional Drilling F/5,	6 1/4 /2" F/4,970' t It flow senso 010' to 5,10' 0, changed or 103' to 5,13' survey @ 5, 136' to 5,17'	2 1/2 Report of 0 5,010' R( r & take SP 3' ROP = 14 ut flow sens 6' ROP = 2 120' was 5. 8' ROP = 1	4-1/2 xo  Operation  OP = 12.30' R. 4.30' per/hr. sor 2' per/hr 6 deg & 33.9	92 Per/hr.		645.92  Item Drilling Fool Drilling Mud Cum. Mud C Mud Loggin Cement all	644.92 644.92 644.92 644.92 644.92 Orilling Co tage work	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1630 1630 to 1800 1800 to 1900 1900 to 2300 2300 to 2315	Drilling 8-1/ Cleaned ou Drilling F/5, Rig service Drilling F/5, Flow check	6 1/4 (2" F/4,970' t at flow senso 010' to 5,10: , changed or ,103' to 5,13: survey @ 5, ,136' to 5,17:	2 1/2  Report of  5,010' Roy  7 & take SP  3' ROP = 1/2  1120' was 5.  8' ROP = 1	Operation OP = 12.30' 'R. 4.30' per/hr. or '2' per/hr 6 deg & 33.9 0.5' per/hr.	92  ns per/hr.		645.92  Item Drilling Fool Drilling Mud Cum. Mud ( Mud Loggin	644.92 644.92 644.92 644.92 644.92 Orilling Co tage work	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1630 1630 to 1800 1800 to 1900 1900 to 2300 2300 to 2315 2315 to 0000	Drilling 8-1/ Cleaned ou Drilling F/5, Rig service Drilling F/5, Directional Drilling F/5, Flow check Circ. Bottor	6 1/4 (2" F/4,970' t tt flow senso 010' to 5,10: , changed or ,103' to 5,13: survey @ 5, 136' to 5,17: 15 min, ok i ms up twice.	2 1/2  Report of  o 5,010' Ro  r & take SP 3' ROP = 1  ut flow sens 6' ROP = 2  120' was 5. 8' ROP = 1  no flow  Bottoms up	Operation OP = 12.30' 'R. 4.30' per/hr. or '2' per/hr 6 deg & 33.9 0.5' per/hr.	92  ns per/hr.		645.92  Item Drilling Fool Drilling Mud Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log	644.92 644.92 644.92 644.92 644.92 Orilling Co tage work	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1630 1630 to 1800 1800 to 1900 2300 to 2315 2315 to 0000 0000 to 0030	Drilling 8-1/ Cleaned ou Drilling F/5, Rig service Drilling F/5, Directional Drilling F/5, Flow check Circ. Bottor	6 1/4 (2" F/4,970' t tt flow senso 010' to 5,10: , changed or , 103' to 5,13: survey @ 5,7: 15 min, ok on ms up twice.	2 1/2  Report of  o 5,010' Ro  r & take SP 3' ROP = 1  ut flow sens 6' ROP = 2  120' was 5. 8' ROP = 1  no flow  Bottoms up	Operation OP = 12.30' 'R. 4.30' per/hr. or '2' per/hr 6 deg & 33.9 0.5' per/hr.	92  ns per/hr.		645.92  Item Drilling Fool Drilling Mud Cum. Mud Coggin Mud Loggin Forill Stem T Electric Log Bits, Supplie	644.92 644.92 644.92 644.92 644.92 Orilling Co tage work	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1630 1630 to 1800 1800 to 1900 1900 to 2300 2300 to 2315 2315 to 0000 0000 to 0030 0030 to 0045	Drilling 8-1/ Cleaned ou Drilling F/5, Rig service Drilling F/5, Directional Drilling F/5, Flow check Circ. Bottor POOH 5 st. Circ. While	6 1/4 /2" F/4,970' t it flow senso 010' to 5,10' , changed or 103' to 5,13' survey @ 5, 136' to 5,17' 15 min, ok ms up twice. ds hole took build slug.	Report of o 5,010' Re r & take SP 3' ROP = 1 ut flow sens 6' ROP = 2 120' was 5. 8' ROP = 1 no flow Bottoms up correct fill.	Operation OP = 12.30' R. 4.30' per/hr. cor '2' per/hr 6 deg & 33.9 0.5' per/hr. o gas 118 un	92  Per/hr.  PAZM. TVD	= 5,112'	645.92  Item Drilling Fool Drilling Mud Cum. Mud C Mud Loggin Cement all Drill Stem T Electric Log	644.92 644.92 644.92 644.92 644.92 Orilling Co tage work	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1630 1630 to 1800 1800 to 1900 2300 to 2315 2315 to 0000 0000 to 0030	Drilling 8-1/ Cleaned ou Drilling F/5, Rig service Drilling F/5, Directional Drilling F/5, Flow check Circ. Bottor POOH 5 st. Circ. While	6 1/4 /2" F/4,970' t it flow senso 010' to 5,10' , changed or 103' to 5,13' survey @ 5, 136' to 5,17' 15 min, ok ms up twice. ds hole took build slug.	Report of o 5,010' Re r & take SP 3' ROP = 1 ut flow sens 6' ROP = 2 120' was 5. 8' ROP = 1 no flow Bottoms up correct fill.	Operation OP = 12.30' R. 4.30' per/hr. cor '2' per/hr 6 deg & 33.9 0.5' per/hr. o gas 118 un	92  Per/hr.  PAZM. TVD	= 5,112'	645.92  Item Drilling Fool Drilling Mud Cum. Mud Coggin Mud Loggin Forill Stem T Electric Log Bits, Supplie	644.92 644.92 644.92 644.92 644.92 Orilling Co tage work	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1800 1800 to 1900 1900 to 2300 2300 to 2315 2315 to 0000 0000 to 0030 0030 to 0045 0045 to 03300 0300 to 0330	Drilling 8-1/Cleaned ou Drilling F/5, Directional Drilling F/5, Flow check Circ. Bottor POOH 5 st Circ. While Pump slug 8 Pull wear b	6 1/4  (2" F/4,970' t tt flow senso (010' to 5,10'), changed oi (103' to 5,13') survey @ 5, 136' to 5,17'; 15 min, ok ims up twice. ds upid slug. POOH for bisushing ok. F	Report of  o 5,010' R6  r & take SP 3' ROP = 1  120' was 5.  8' ROP = 2  120' was 5.  B' ROP = 1  no flow  Bottoms up  correct fill.  t #2. Hole tot  Re-install sa	Operation OP = 12.30' R. 4.30' per/hr. 6 deg & 33.5 0.5' per/hr. o gas 118 un ok correct amme.	92  Description of the second	= 5,112' rip out.	645.92  Item Drilling Fool Orilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplid Casing & W	644.92 644.92 644.92 644.92 644.92 Orilling Co tage work	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1630 1630 to 1800 1800 to 1900 2300 to 2300 2300 to 2315 2315 to 0000 0000 to 0030 0030 to 0045	Drilling 8-1/Cleaned ou Drilling F/5, Directional Drilling F/5, Flow check Circ. Bottor POOH 5 st Circ. While Pump slug 8 Pull wear b	6 1/4  (2" F/4,970' t tt flow senso (010' to 5,10'), changed oi (103' to 5,13') survey @ 5, 136' to 5,17'; 15 min, ok ims up twice. ds upid slug. POOH for bisushing ok. F	Report of  o 5,010' R6  r & take SP 3' ROP = 1  120' was 5.  8' ROP = 2  120' was 5.  B' ROP = 1  no flow  Bottoms up  correct fill.  t #2. Hole tot  Re-install sa	Operation OP = 12.30' R. 4.30' per/hr. 6 deg & 33.5 0.5' per/hr. o gas 118 un ok correct amme.	92  Description of the second	= 5,112' rip out.	645.92  Item Drilling Fool Drilling Mud Cum. Mud Coggin Mud Loggin Forill Stem T Electric Log Bits, Supplie	644.92 644.92 644.92 644.92 644.92 Orilling Co tage work	2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1800 1800 to 1900 1900 to 2300 2300 to 2315 2315 to 0000 0000 to 0030 0030 to 0045 0045 to 03300 0300 to 0330	Drilling 8-1/Cleaned ou Drilling F/5, Big service Drilling F/5, Directional Drilling F/5, Flow check Circ. Bottor POOH 5 st. Circ. While Pump slug & Pull wear b	6 1/4  (2" F/4,970' t tt flow senso (010' to 5,10'), changed on (103' to 5,13') survey @ 5, 136' to 5,17' t 15 min, ok ims up twice. ds hole took build slug. POOH for bi ushing ok. F	Report of  o 5,010' R( r & take SP 3' ROP = 14 tiflow sens 6' ROP = 2 120' was 5. 8' ROP = 1 no flow Bottoms up correct fill. t #2. Hole tot Re-install sa	Operation OP = 12.30' R. 4.30' per/hr. 6 deg & 33.5 0.5' per/hr. o gas 118 un ok correct amme. 8 P/U 3 more 6-	92  Description of the second	= 5,112' rip out.	645.92  Item Drilling Fool Orilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplid Casing & W	644.92 644.92 644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings rests ses (rell Head	Daily
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1900 1800 to 1900 1800 to 1900 2300 to 2315 2315 to 0000 0000 to 0030 0030 to 0045 0045 to 0300 0300 to 0330 0330 to 0500	Drilling 8-1/Cleaned ou Drilling F/5, Rig service Drilling F/5, Directional Drilling F/5, Flow check Circ. Bottor POOH 5 st Circ. While Pump slug & Pull wear b UD bit #2 & M Break circ.	6 1/4  (2" F/4,970' t at flow senso 0,10' to 5,10' o, changed on 1,03' to 5,13' survey @ 5, 136' to 5,17' t 15 min, ok ms up twice. ds hole took build slug.  (a POOH for bi ushing ok. Fit/U bit #3 & Rif & cond. Hea	Report of  5,010' Re  6 take SP  7 k take SP  7 k take SP  10' was 5.  8' ROP = 1  10 flow  Bottoms up  correct fill.  1 #2. Hole too  Re-install sa  14 6 stds DC's 8  avy mud ard	Operation OP = 12.30' R. 4.30' per/hr. 6 deg & 33.5 0.5' per/hr. o gas 118 un ok correct amme. 8 P/U 3 more 6-	92  Description of the second	= 5,112' rip out.	645.92  Item Drilling Fool Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W	644.92 644.92 644.92 644.92 644.92 644.92 Cost g Unit strings fests ses es fell Head	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1900 1800 to 1900 1900 to 2300 2300 to 2315 2315 to 0000 0000 to 0030 0030 to 0045 to 0330 0330 to 0330 0330 to 0500	Drilling 8-1/ Cleaned ou Drilling F/5, Rig service Drilling F/5, Flow check Circ. Bottor POOH 5 st. Circ. While Pump slug & Pump slug & UD bit #2 & M Break circ. Continue R	6 1/4  (2" F/4,970' t tt flow senso 0.10' to 5,10', changed on 103' to 5,13's survey @ 5, 136' to 5,17'. 15 min, ok ms up twice. ds hole took build slug. POOH for bit wushing ok. F//// bit #3 & Rilf-& cond. Hea	Report of  5,010' Re  6 5,010' Re  7 & take SP  3' ROP = 14  11 flow sens  6' ROP = 2  120' was 5.  8' ROP = 1  10 flow  Bottoms up  correct fill.  1 #2. Hole too  Re-install sa  4 6 stds DC's 8  avy mud ard  slowly.	Operation OP = 12.30' R. 4.30' per/hr. or 6 deg & 33.9 0.5' per/hr. o gas 118 un ok correct amme. 8 P/U 3 more 6- bund.	92  PS  Per/hr.  PAZM. TVD  its  punt to fill on the control of th	= 5,112' rip out. H to 2500'	645.92  Item Drilling Fool Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well	644.92 644.92 644.92 644.92 644.92 644.92 Cost g Unit strings fests ses es fell Head	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1900 1800 to 1900 1800 to 1900 2300 to 2315 2315 to 0000 0000 to 0030 0030 to 0045 0045 to 0300 0300 to 0330 0330 to 0500	Drilling 8-1/ Cleaned ou Drilling F/5, Rig service Drilling F/5, Flow check Circ. Bottor POOH 5 st Circ. While Pump slug & UrD bit #2 & M Break circ. Continue R Bit #2 the #	6 1/4  (2" F/4,970' t tt flow senso 010' to 5,10', changed oi 103' to 5,13' survey @ 5, 136' to 5,17' 15 min, ok om sup twice. ds hole took build slug. A POOH for bit wishing ok. Fitti bit #3 & Rife & cond. Heat the 1,000' 3 cone bearing the supplemental of the supp	Report of  5,010' Re  7 & take SP  3' ROP = 1  1t flow sens  6' ROP = 2  120' was 5  18' ROP = 1  no flow  Bottoms up  correct fill.  t #2. Hole too  Re-install sa  4 6 stds DC's 8  avy mud ard  slowly.  ngs gone &	Operation OP = 12.30' 'R. 4.30' per/hr. or '2' per/hr 6 deg & 33.9 0.5' per/hr. o gas 118 un ok correct amme. 3 P/U 3 more 6. broken teeth	92  Der/hr.  DAZM. TVD  its  punt to fill on the state only on the state of the sta	= 5,112' rip out. H to 2500'	645.92  Item Drilling Fool Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W Other Cum. Daily Total Well Time Cat	644.92 644.92 644.92 644.92 644.92 644.92 Cost age work  Cost g Unit strings rests is es es rell Head	\$36,248 \$545,815 Hrs.
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1900 1800 to 1900 1800 to 1900 2300 to 2315 2315 to 0000 0000 to 0030 0030 to 0045 0045 to 0300 0300 to 0330 0330 to 0500	Drilling 8-1/Cleaned ou Drilling F/5, Rig service Drilling F/5, Directional Drilling F/5, Flow check Circ. Bottor POOH 5 st Circ. While Pump slug & Pull wear b LiDbit #2 & M Break circ. Continue R Bit #2 the #	F/2" F/4,970' to the senso on t	Report of  o 5,010' Ro r & take SP 3' ROP = 1 ut flow sens 6' ROP = 2 120' was 5. 8' ROP = 1 no flow Bottoms up correct fill.  t #2. Hole too Re-install sa t #6 stds DC's avy mud ard slowly. ngs gone & ushing rea	Operation OP = 12.30' PR. 4.30' per/hr. or 12' per/hr 6 deg & 33.9 0.5' per/hr. o gas 118 un ok correct amme. & P/U 3 more 6- bund. broken teeth dy & on rig	92  Description of the filloor. Three floor. Three	= 5,112' rip out. H to 2500' #2 cone. e drill	645.92  Item Drilling Fool Drilling Mud Cum. Mud C Cum. Mud C Jorill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Cai	644.92 644.92 644.92 644.92 644.92 644.92 Cost age work  Cost g Unit strings rests is es es rell Head	\$36,248 \$545,815 Hrs.
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1900 1800 to 1900 1800 to 1900 2300 to 2315 2315 to 0000 0000 to 0030 0030 to 0045 0045 to 0300 0300 to 0330 0330 to 0500	Drilling 8-1/ Cleaned ou Drilling F/5, Rig service Drilling F/5, Directional Drilling F/5, Flow check Circ. Bottor POOH 5 st Circ. While Pump slug & Pull wear b L/D bit #2 & M Break circ. Continue R Bit #2 the # Drill bit & collars rea	FIVE IT IN THE PROPERTY OF THE	Report of  o 5,010' Ro r & take SP 3' ROP = 14 ut flow sens 6' ROP = 2 120' was 5 18' ROP = 1 no flow Bottoms up correct fill.  t #2. Hole too Re-install sa 4 6 stds DC's 8 avy mud aro slowly slowly ushing rea up for more	Operation OP = 12.30' PR. 4.30' per/hr. or 6 deg & 33.9 0.5' per/hr. o gas 118 un ok correct amme. & P/U 3 more 6- bund. broken teeth dy & on rig e weight to	92  Description of the fill on the fill on. Three drill with due.	= 5,112'  rip out.  H to 2500'  f2 cone. e drill e to	645.92  Item Drilling Fool Drilling Mud Cum. Mud C Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Car Drig rotating Rig service	644.92 644.92 644.92 644.92 644.92 644.92 Cost age work  Cost g Unit strings rests is es es rell Head	\$36,248 \$545,815 Hrs.
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1600 to 1900 1800 to 1900 1800 to 1900 2300 to 2315 2315 to 0000 0000 to 0030 0030 to 0045 0045 to 0300 0300 to 0330 0330 to 0500	Drilling 8-1/Cleaned ou Drilling F/5, Big service Drilling F/5, Directional Drilling F/5, Flow check Circ. Bottor POOH 5 st Circ. While Pump slug & Pull wear b L/D bit #2 & M Break circ. Continue R Bit #2 the # Drill bit &:  Drill bit &:  Collars rea buoyance	6 1/4  (2" F/4,970' t tt flow senso (010' to 5,10') to 5,10' to 5,17' to 5,	Report of  o 5,010' Re r & take SP 3' ROP = 1 120' was 5. 8' ROP = 2 120' was 5. 8' ROP = 1 no flow Bottoms up correct fill. t #2. Hole too Re-install sa 16 stds DC's 8 avy mud ard slowly. ngs gone & ushing rea up for more will give u	Operation OP = 12.30' R. 4.30' per/hr. 6 deg & 33.5 0.5' per/hr. o gas 118 un ok correct amme. & P/U 3 more 6- bund. broken teeth dy & on rig a weight to is a max.of	92  Description of the fill on the fill on. Three drill with due.	= 5,112'  rip out.  H to 2500'  f2 cone. e drill e to	645.92  Item Drilling Fool Drilling Mud Cum. Mud Coggin Cement all : Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Cat Drig rotating Rig service Circ.	644.92 644.92 644.92 644.92 644.92 644.92 Cost age work  Cost g Unit strings rests is es es rell Head	\$36,248 \$545,815 Hrs. 17.25
Hours 0600 to 0915 0915 to 0930 0930 to 1600 1630 to 1800 1800 to 1900 1900 to 2300 2300 to 2315 2315 to 0000 0000 to 0030 0030 to 0045 0045 to 0300 0300 to 0330 0330 to 0500 0500 to 0530	Drilling 8-1/Cleaned ou Drilling F/5, Big service Drilling F/5, Directional Drilling F/5, Flow check Circ. Bottor POOH 5 st Circ. While Pump slug & Pull wear b L/D bit #2 & M Break circ. Continue R Bit #2 the # Drill bit &:  Drill bit &:  Collars rea buoyance	FIVE IT IN THE PROPERTY OF THE	Report of  o 5,010' Re r & take SP 3' ROP = 1 120' was 5. 8' ROP = 2 120' was 5. 8' ROP = 1 no flow Bottoms up correct fill. t #2. Hole too Re-install sa 16 stds DC's 8 avy mud ard slowly. ngs gone & ushing rea up for more will give u	Operation OP = 12.30' R. 4.30' per/hr. 6 deg & 33.5 0.5' per/hr. o gas 118 un ok correct amme. & P/U 3 more 6- bund. broken teeth dy & on rig a weight to is a max.of	92  Description of the fill on the fill on. Three drill with due.	= 5,112'  rip out.  H to 2500'  f2 cone. e drill e to	645.92  Item Drilling Fool Drilling Mud Cum. Mud C Mud Loggin Cement all: Drill Stem T Electric Log Bits, Supplic Casing & W  Other Cum. Daily Total Well Time Car Drig rotating Rig service	644.92 644.92 644.92 644.92 644.92 Cost age work  Cost g Unit strings rests s es (cell Head	\$36,248 \$545,815 Hrs.

D-1-	Tv	wo Fer 26-3	0		Location		SEC 26 - 1	26S - R 30	E
Date	7/20/09	Rig	Fron	ntier 7	Present Op	eration	Drilli	ng ahead @	5,550'
Day No.	14	Formation		lt 19	Lithology				
Depth ft	5,550	Previous De	•	5178'	Proposed T			6800	
Made	372	ft in	21.5	hrs <b>Mud</b>	Drilling rate	of	17.30	ft. per hr.	
Weight	15.6	Chlorides	205,000	Calcium	6,000	Solids	LGS=1.8	L.C.M.	NONE
VIS. Fun.	44	P.V.	22	Y.P.	20	Gels	12/22	PH	7.5
Water loss	10	Filter Cake		KCL %	NONE	Oil %	NONE	Nitrates	NONE
770,101				Mud Gas		•			
Average	35	Maximum Mud add	2 litions last	Connection 24 hours		Trip & Quantity	811	Flare	NO
WOB	38/40	RPM	85	Bit R	ecord	ative Rotatin	a Hours	559.5	
Dull Bit No.		Size		Type	Ouman	Ser. No.	ig Hours	Jets	-
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #		Size	8.5"	Type	MXL - S11		6052259	Jets	3X32
	<del></del> 5178	Made	372	ft in	21.5	hrs.	Avg. ft./hr.		
Depth in									on Info
		nps	BOF				le Drag an		
Mud Pump	No. 1	No. 2		pest Casing			g Weight		Conditions
Make	F 1000	F 1000	Size	Depth	Min. Burst		115 K		Spots Out
Liner	6"	6"_	9 5/8"	2,960'	9265	Pick Up	125 K	Depth	Over Pull
Stroke	10"	10"	<u> </u>	Shoe test		Slack Off	110 K	NONE	L
SPM	93		Equiv. Muc	i Weight	NONE	Rotating T	orque		
GPM	321			Last BOP (	heck	Neutral	NONE		
Pump psi	1150		Pressure T	ested To	8,000	Pick Up		Takes W	eight trip In
Slow Pump I		#1	BOP Drill 8		Yes	Slack Off		NONE	1
SPM	40	60	Drill String		72	Last Date	ВНА		<u> </u>
			1 -			1		-, c	NONE
Pump psi	500	750	Annular Vo		304	Inspected		Ft. of Fill	NONE
	Dri	II String a	ınd Botto	m Hole A	ssembly (	Configura	tion		
	<b>Drill Pipe</b>							Cumula	tive ft. from
Size	Weight	Grade	Tube I D	T.J. Type	TILLD	T.I.O.D.	Length	top of c	ollars
4-1/2"	16.6	G Pipe	3.826	4 1/2" XH		1	1	1	01.4.0
4-1/2	10.0	Gripe	3.020	7 1/2 ///	<del>-</del>		1		
	<del> </del>				<del>                                     </del>				
	Pottom Ho	le Assembl		L	·	1	L	Cumu	lative feet
léa			•	Thread	Lbs./ft	Grade	Length	from b	
Item	Quantity	O.D.	l.D.	•		Glaue	Lengui		<i>,</i> , , , , , , , , , , , , , , , , , ,
Bit	1 1	8 1/2			a nn	1	1 1		
				4-1/2 reg	99	<u> </u>	1		
Bit sub	1	6 1/2	3	41/2reg/xo			3	3	
Monel	1	6 1/2 6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93		3 29.96	32.96	
		6 1/2		41/2reg/xo			3	32.96 644.92	
Monel	1	6 1/2 6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93		3 29.96	32.96 644.92 644.92	
Monel	1	6 1/2 6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93		3 29.96	32.96 644.92 644.92 644.92	
Monel	1	6 1/2 6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93		3 29.96	32.96 644.92 644.92	
Monel	1	6 1/2 6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93		3 29.96	32.96 644.92 644.92 644.92 644.92	
Monel	1	6 1/2 6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93		3 29.96 611.96	32.96 644.92 644.92 644.92 644.92	
Monel	1	6 1/2 6 10/27	2 3/4	41/2reg/xo 4-1/2 xo	93	Total	3 29.96	32.96 644.92 644.92 644.92 644.92	
Monel	1	6 1/2 6 10/27 6 1/4	2 3/4 2 1/2	41/2reg/xo 4-1/2 xo 4-1/2 xo	93 92	Total	3 29.96 611.96	32.96 644.92 644.92 644.92 644.92 644.92	
Monel Dill collars	1	6 1/2 6 10/27 6 1/4	2 3/4 2 1/2	41/2reg/xo 4-1/2 xo	93 92	Total	3 29.96 611.96	32.96 644.92 644.92 644.92 644.92	ests
Monel	1	6 1/2 6 10/27 6 1/4	2 3/4 2 1/2	41/2reg/xo 4-1/2 xo 4-1/2 xo	93 92	Total	3 29.96 611.96	32.96 644.92 644.92 644.92 644.92 07illing Co	
Monel Dill collars  Hours	1 20	6 1/2 6 10/27 6 1/4	2 3/4 2 1/2	41/2reg/xo 4-1/2 xo 4-1/2 xo	93 92	Total	3 29.96 611.96 645.92 Letem Drilling Foo	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	ests
Monel Dill collars  Hours  0600 to 0630	1 20 Break circ.	6 1/2 6 10/27 6 1/4	2 3/4 2 1/2 Report of	41/2reg/xo 4-1/2 xo 4-1/2 xo Operatior	93 92	Total	3 29.96 611.96 645.92 Ltem Drilling Foo	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	ests
Monel Dill collars  Hours  0600 to 0630 0630 to 0715	1 20 Break circ. RIH to 5,11	6 1/2 6 10/27 6 1/4 F @ 4,000' 8'. L/D 3 sin	2 3/4 2 1/2 Report of	41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	93 92 92		3 29.96 611.96 645.92  Item Drilling Foo Drilling Day Water	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	ests
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745	1 20 Break circ. RIH to 5,11 Wash & rea	6 1/2 6 10/27 6 1/4 F @ 4,000' 8'. L/D 3 sin am 60' to bo	2 3/4 2 1/2 Report of	41/2reg/xo 4-1/2 xo 4-1/2 xo  Operation	93 92 92 98 98 98	7 units	3 29.96 611.96 615.92  Item Drilling Foo Drilling Day Water Drilling Mud	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	ests
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300	Break circ. RIH to 5,11 Wash & real	6 1/2 6 10/27 6 1/4 F @ 4,000' 8'. L/D 3 sin am 60' to bo 8' to 5,228'.	2 3/4 2 1/2 Report of	41/2reg/xo 4-1/2 xo 4-1/2 xo  Operation	93 92 92 98 98 98	7 units	3 29.96 611.96 645.92  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud (Cum.  32.96 644.92 644.92 644.92 644.92 644.92 644.92 644.92 Cost	ests	
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1300 to 1330	1 20 Break circ. RIH to 5,11 Wash & rea Drill F/5,17	6 1/2 6 10/27 6 1/4 F @ 4,000' 8'. L/D 3 sin am 60' to bo 8' to 5,228'.	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.52	41/2reg/xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Che	93 92 92 s up gas 81 eck flow on 6	7 units	3 29.96 611.96 645.92  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	32.96 644.92 644.92 644.92 644.92 644.92 644.92 Corilling Co	ests
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1330 1330 to 1800	Break circ. RIH to 5,11 Wash & res Drill F/5,17 Rig service	6 1/2 6 10/27 6 1/4 F @ 4,000' 8'. L/D 3 sin am 60' to bo 8' to 5,228'.	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.52	41/2reg/xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Ch	93 92 92 s up gas 81 eck flow on eck flow on	7 units conn.	3 29.96 611.96 645.92  Item Drilling Foor Drilling Day Water Drilling Mud Cum. Mud Loggin Cement all	32.96 644.92 644.92 644.92 644.92 0rilling Cottage work  Cost g Unit strings	ests
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1300 to 1300 1300 to 1300 1800 to 1900	Break circ. RIH to 5,11 Wash & rec Drill F/5,170 Rig service Drill F/5,220	6 1/2 6 10/27 6 11/4 F @ 4,000' 8'. L/D 3 sin am 60' to bo 8' to 5,228'. 8' to 5,314' 4' to 5,319'	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5/ ROP = 19.1 ROP = 5' pe	41/2reg/xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check	93 92 93 95 96 97 98 98 98 98 98 98 98 98 98 98 98 98 98	7 units conn.	3 29.96 611.96 645.92  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	32.96 644.92 644.92 644.92 644.92 0rilling Cottage work  Cost g Unit strings	ests
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1300 to 1330	Break circ. RIH to 5,11 Wash & rec Drill F/5,170 Rig service Drill F/5,220	6 1/2 6 10/27 6 11/4 F @ 4,000' 8'. L/D 3 sin am 60' to bo 8' to 5,228'. 8' to 5,314' 4' to 5,319'	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5/ ROP = 19.1 ROP = 5' pe	41/2reg/xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check	93 92 93 95 96 97 98 98 98 98 98 98 98 98 98 98 98 98 98	7 units conn.	3 29.96 611.96 645.92  Item Drilling Foor Drilling Day Water Drilling Mud Cum. Mud Loggin Cement all	32.96 644.92 644.92 644.92 644.92 Orilling Co tage work  Cost g Unit strings ests	ests
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1300 to 1300 1300 to 1300 1800 to 1900	Break circ. RIH to 5,11 Wash & rec Drill F/5,17 Rig service Drill F/5,22 Drill F/5,31	6 1/2 6 10/27 6 11/4 6 1/4 F Q 4,000' 8'. L/D 3 sin am 60' to bo 8' to 5,228'. 8' to 5,314' 4' to 5,319' 9' to 5414' F	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5/ ROP = 19.1 ROP = 5' pe ROP = 21.11	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow	93 92 93 92 ss up gas 81 eck flow on the flow on control on contro	7 units conn.	3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud 0 Mud Loggin Cement all Drill Stem T	32.96 644.92 644.92 644.92 644.92 07illing Co tage work  Cost g Unit strings ests	ests
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 1300 to 1330 1330 to 1800 1800 to 2330 2330 to 0030	Break circ. RIH to 5,11 Wash & ree Drill F/5,17: Rig service Drill F/5,31: Drill F/5,31: Drill F/5,31:	6 1/2 6 10/27 6 1/4 6 1/4 6 1/4 6 1/4 6 1/4 6 1/4 8' L/D 3 sin am 60' to bo 8' to 5,228'. 8' to 5,314' 4' to 5,319' 9' to 5414' F survey @ 5	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5/ ROP = 19.1 ROP = 5' pe ROP = 21.11 354' was 3.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow 8 deg & AZN	93 92 92 s up gas 81 eck flow on flow on conn. 41.3 TVD	7 units conn. conn. n. = 5,345'	3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud & Gum. Mud & Jorill Stem T Electric Log	32.96 644.92 644.92 644.92 644.92 644.92 0rilling Co tage work  Cost g Unit strings ests es	ests
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1330 to 1330 1330 to 1800 1800 to 2930 2330 to 0030 0030 to 0200	Break circ. RIH to 5,11 Wash & res Drill F/5,17: Rig service Drill F/5,31: Drill F/5,31: Drill F/5,31: Drill F/5,414	6 1/2 6 10/27 6 11/4 6 11/4 6 1/4 6 1/4 6 1/4 6 1/4 6 1/4 6 1/4 7 1/4 8	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5 ROP = 19.1 ROP = 5' pe COP = 21.11 354' was 3.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow 8 deg & AZM ' per/hr. Check	93 92 92 s up gas 81 eck flow on control on conn. M 41.3 TVD eck flow on control on cont	7 units conn.  conn.  n.  = 5,345' conn.	3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud C Gum. Mud C Jorill Stem T Electric Log Bits, Suppli	32.96 644.92 644.92 644.92 644.92 644.92 0rilling Co tage work  Cost g Unit strings ests es	ests
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 1300 to 1330 1330 to 1800 1800 to 2330 2330 to 0030	Break circ. RIH to 5,11 Wash & res Drill F/5,17: Rig service Drill F/5,31: Drill F/5,31: Drill F/5,31: Drill F/5,414	6 1/2 6 10/27 6 11/4 6 11/4 6 1/4 6 1/4 6 1/4 6 1/4 6 1/4 6 1/4 7 1/4 8	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5 ROP = 19.1 ROP = 5' pe COP = 21.11 354' was 3.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow 8 deg & AZM ' per/hr. Check	93 92 92 s up gas 81 eck flow on control on conn. M 41.3 TVD eck flow on control on cont	7 units conn.  conn.  n.  = 5,345' conn.	3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud C Gum. Mud C Jorill Stem T Electric Log Bits, Suppli	32.96 644.92 644.92 644.92 644.92 644.92 0rilling Co tage work  Cost g Unit strings ests es	ests
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1330 to 1800 1800 to 1900 1900 to 2330 2330 to 0030 0030 to 0200	Break circ. RIH to 5,11 Wash & res Drill F/5,17: Rig service Drill F/5,31: Drill F/5,31: Drill F/5,31: Drill F/5,414	6 1/2 6 10/27 6 11/4 6 11/4 6 1/4 6 1/4 6 1/4 6 1/4 6 1/4 6 1/4 7 1/4 8	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5 ROP = 19.1 ROP = 5' pe COP = 21.11 354' was 3.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow 8 deg & AZM ' per/hr. Check	93 92 92 s up gas 81 eck flow on control on conn. M 41.3 TVD eck flow on control on cont	7 units conn.  conn.  n.  = 5,345' conn.	3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	32.96 644.92 644.92 644.92 644.92 644.92 0rilling Co tage work  Cost g Unit strings ests es	ests
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1330 to 1800 1800 to 1900 1900 to 2330 2330 to 0030 0030 to 0200	Break circ. RIH to 5,11 Wash & res Drill F/5,17: Rig service Drill F/5,31: Drill F/5,31: Drill F/5,31: Drill F/5,414	6 1/2 6 10/27 6 11/4 6 11/4 6 1/4 6 1/4 6 1/4 6 1/4 6 1/4 6 1/4 7 1/4 8	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5 ROP = 19.1 ROP = 5' pe COP = 21.11 354' was 3.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow 8 deg & AZM ' per/hr. Check	93 92 92 s up gas 81 eck flow on control on conn. M 41.3 TVD eck flow on control on cont	7 units conn.  conn.  n.  = 5,345' conn.	3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work  Cost g Unit strings ests ss es /ell Head	Daily
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1330 to 1330 1330 to 1800 1800 to 2930 2330 to 0030 0030 to 0200	Break circ. RIH to 5,11 Wash & res Drill F/5,17: Rig service Drill F/5,31: Drill F/5,31: Drill F/5,31: Drill F/5,414	6 1/2 6 10/27 6 11/4 6 11/4 6 1/4 6 1/4 6 1/4 6 1/4 6 1/4 6 1/4 7 1/4 8	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5 ROP = 19.1 ROP = 5' pe COP = 21.11 354' was 3.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow 8 deg & AZM ' per/hr. Check	93 92 92 s up gas 81 eck flow on control on conn. M 41.3 TVD eck flow on control on cont	7 units conn.  conn.  n.  = 5,345' conn.	3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work  Cost g Unit strings ests ses /ell Head	Daily \$34,676
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1330 to 1800 1800 to 1900 1900 to 2330 2330 to 0030 0030 to 0200	Break circ. RIH to 5,11 Wash & res Drill F/5,17 Rig service Drill F/5,31 Drill F/5,31 Drill F/5,31 Drill F/5,414 Drill F/5,45	@ 4,000' 8'. L/D 3 sin am 60' to bo 8' to 5,228'. 8' to 5,314' 4' to 5,319' 9' to 5414' F survey @ 5' 1' to 5,455' F 5' to 5,550'	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5 ROP = 19.1 ROP = 5' pe COP = 21.11 354' was 3.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow 8 deg & AZM ' per/hr. Check	93 92 92 s up gas 81 eck flow on control on conn. M 41.3 TVD eck flow on control on cont	7 units conn.  conn.  n.  = 5,345' conn.	3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Comment all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well	32.96 644.92 644.92 644.92 644.92 644.92  Orilling Co tage work  Cost g Unit strings ests ses /ell Head	\$34,676 \$580,491
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1330 to 1800 1800 to 1900 1900 to 2330 2330 to 0030 0030 to 0200	Break circ. RIH to 5,11 Wash & res Drill F/5,17 Rig service Drill F/5,31 Drill F/5,31 Drill F/5,414 Drill F/5,45	6 1/2 6 10/27 6 11/4 6 11/4 6 11/4 6 11/4 6 11/4 8'. L/D 3 sin am 60' to bo 8' to 5,228'. 8' to 5,314' 4' to 5,319' 9' to 5414' F survey @ 5 ' to 5,455' F 5' to 5,550'	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5/ ROP = 19.1 ROP = 5' pe COP = 21.11 354' was 3. ROP = 27.33 ROP = 23.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow 8 deg & AZM ' per/hr. Check ficheck flow 75' Check flow	93 92 92 98 s up gas 81 eck flow on flow on conn. 741.3 TVD eck flow on convolution on conn.	7 units conn. conn. n. = 5,345' onn. Ok	3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca	32.96 644.92 644.92 644.92 644.92 644.92 Cost g Unit strings ests ses /ell Head	\$34,676 \$580,491 Hrs.
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1330 to 1800 1800 to 1900 1900 to 2330 2330 to 0030 0030 to 0200	Break circ. RIH to 5,11 Wash & res Drill F/5,17 Rig service Drill F/5,31 Drill F/5,31 Drill F/5,414 Drill F/5,45	6 1/2 6 10/27 6 11/4 6 11/4 6 11/4 6 11/4 6 11/4 8'. L/D 3 sin am 60' to bo 8' to 5,228'. 8' to 5,314' 4' to 5,319' 9' to 5414' F survey @ 5 ' to 5,455' F 5' to 5,550'	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5/ ROP = 19.1 ROP = 5' pe COP = 21.11 354' was 3. ROP = 27.33 ROP = 23.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow 8 deg & AZM ' per/hr. Check	93 92 92 98 s up gas 81 eck flow on flow on conn. 741.3 TVD eck flow on convolution on conn.	7 units conn. conn. n. = 5,345' onn. Ok	3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Drlg. rotatin	32.96 644.92 644.92 644.92 644.92 644.92 Cost g Unit strings ests ses /ell Head	\$34,676 \$580,491 Hrs.
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1330 to 1800 1800 to 1900 1900 to 2330 2330 to 0030 0030 to 0200	Break circ. RIH to 5,11 Wash & res Drill F/5,17 Rig service Drill F/5,31 Drill F/5,31 Drill F/5,414 Drill F/5,45	6 1/2 6 10/27 6 11/4 6 11/4 6 11/4 6 11/4 6 11/4 8'. L/D 3 sin am 60' to bo 8' to 5,228'. 8' to 5,314' 4' to 5,319' 9' to 5414' F survey @ 5 ' to 5,455' F 5' to 5,550'	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5/ ROP = 19.1 ROP = 5' pe COP = 21.11 354' was 3. ROP = 27.33 ROP = 23.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow 8 deg & AZM ' per/hr. Check ficheck flow 75' Check flow	93 92 92 98 s up gas 81 eck flow on flow on conn. 741.3 TVD eck flow on convolution on conn.	7 units conn. conn. n. = 5,345' onn. Ok	3 29.96 611.96 611.96 645.92  Item Drilling Foo Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Drill Stem T Casing & W  Other Cum. Daily Total Well Time Ca Drlg. rotatin Survey	32.96 644.92 644.92 644.92 644.92 644.92 Cost g Unit strings ests ses /ell Head	\$34,676 \$580,491 Hrs.
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1330 to 1800 1800 to 1900 1900 to 2330 2330 to 0030 0030 to 0200	Break circ. RIH to 5,11 Wash & res Drill F/5,17 Rig service Drill F/5,31 Drill F/5,31 Drill F/5,414 Drill F/5,45	6 1/2 6 10/27 6 11/4 6 11/4 6 11/4 6 11/4 6 11/4 8'. L/D 3 sin am 60' to bo 8' to 5,228'. 8' to 5,314' 4' to 5,319' 9' to 5414' F survey @ 5 ' to 5,455' F 5' to 5,550'	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5/ ROP = 19.1 ROP = 5' pe COP = 21.11 354' was 3. ROP = 27.33 ROP = 23.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow 8 deg & AZM ' per/hr. Check ficheck flow 75' Check flow	93 92 92 98 s up gas 81 eck flow on flow on conn. 741.3 TVD eck flow on convolution on conn.	7 units conn. conn. n. = 5,345' onn. Ok	3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Drlg. rotatin	32.96 644.92 644.92 644.92 644.92 644.92 Cost g Unit strings ests ses /ell Head	\$34,676 \$580,491 Hrs.
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1330 to 1330 1330 to 1800 1800 to 2930 2330 to 0030 0030 to 0200	Break circ. RIH to 5,11 Wash & res Drill F/5,17 Rig service Drill F/5,31 Drill F/5,31 Drill F/5,414 Drill F/5,45	6 1/2 6 10/27 6 11/4 6 11/4 6 11/4 6 11/4 6 11/4 8'. L/D 3 sin am 60' to bo 8' to 5,228'. 8' to 5,314' 4' to 5,319' 9' to 5414' F survey @ 5 ' to 5,455' F 5' to 5,550'	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5/ ROP = 19.1 ROP = 5' pe COP = 21.11 354' was 3. ROP = 27.33 ROP = 23.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Max bottom 2' per/hr. Cher/hr. Check ' Check flow 8 deg & AZM ' per/hr. Check ficheck flow 75' Check flow	93 92 92 98 s up gas 81 eck flow on flow on conn. 741.3 TVD eck flow on convolution on conn.	7 units conn. conn. n. = 5,345' onn. Ok	3 29.96 611.96 611.96 645.92  Item Drilling Foo Drilling Mud Cum. Mud ( Mud Loggin Cement all : Drill Stem T Drill Stem T Casing & W  Other Cum. Daily Total Well Time Ca Drlg. rotatin Survey	32.96 644.92 648.92 648	\$34,676 \$580,491 Hrs. 21.5
Monel Dill collars  Hours  0600 to 0630 0630 to 0715 0715 to 0745 0745 to 1300 1330 to 1330 1330 to 1800 1800 to 2930 2330 to 0030 0030 to 0200	Break circ. RIH to 5,111 Wash & rea Drill F/5,171 Rig service Drill F/5,311 Drill F/5,311 Drill F/5,451 Drill F/5,451 Drill F/5,451	6 1/2 6 10/27 6 11/4 6 11/4 6 11/4 6 11/4 6 11/4 8'. L/D 3 sin am 60' to bo 8' to 5,228'. 8' to 5,314' 4' to 5,319' 9' to 5414' F survey @ 5 ' to 5,455' F 5' to 5,550'	2 3/4 2 1/2 Report of gles & p/u k ttom (no fill) ROP = 9.5 ROP = 19.1 ROP = 27.33 ROP = 27.33 ROP = 23.	41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  Welly Max bottom 2' per/hr. Cher/hr. Check flow ' Check flow B deg & AZN ' per/hr. Check flow To per/hr. Check flow T	93 92 92 98 s up gas 81 eck flow on flow on conn. 741.3 TVD eck flow on convolution on conn.	7 units conn. conn. n. = 5,345' onn. Ok	3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Drig. rotatin Survey Circ.	32.96 644.92 644.92 644.92 644.92 644.92 Cost age work  Cost ag Unit strings ests is es /ell Head	\$34,676 \$580,491

Well Name	T <sup>,</sup>	wo Fer 26-3	0		Location		SEC 26 - 1	7 26S - R 30I	Ε
Date		Rig		ntier 7	Present Op	eration		ng ahead @	
Day No.		Formation			Lithology				
Depth ft		Previous De		5,550'	Proposed T			6800	
Made	510	ft in	22	hrs	Drilling rate	of	23.18	ft, per hr.	
Weight	15.6	Chlorides	206,000	<b>Mud</b> Calcium	6,000	Solids	LGS=1.8	L.C.M.	NONE
VIS. Fun.	43	P.V.	21	Y.P.	19	Gels	11/20	PH	7.5
Water loss	10	Filter Cake		KCL %	NONE	Oil %	NONE	Nitrates	NONE
	<del>.</del>			Mud Gas					
Average	30	Maximum	281	Connection		Trip	N/A	Flare	NO
		Mud add	ditions last	24 hours	Product 8	& Quantity			
				Bit R	ecord				
WOB	38/40	. RPM	78/86	_	Cumula	ative Rotatin	g Hours	603.5	
Dull Bit No.		Size		Type		Ser. No.		Jets	
Depth Out		Made	0.51	ft in	MAYL C11	hrs. Ft/hr	6052259	Dull Gr.	3X32
Present Bit #	3	. Size	8.5"	Type	MXL-S11_ 22	Ser. No.		Jets	3/32
Depth in	5178	Made	510	ft in Inform		hrs.	Avg. ft./hr. I <b>e Drag an</b>	23.18	on Info
		mps	BOF						
Mud Pump	No. 1	No. 2		pest Casing			Weight		onditions Spots Out
Make	F 1000	F 1000	Size	Depth	Min. Burst	•	125K		
Liner	6"	6"	9 5/8"	2,960' Shoe test	9265	Pick Up	135K	Depth NONE	Over Pull
Stroke	10"	10"			NONE	Slack Off		NONE	
SPM .	93		Equiv. Mud		NONE_	Rotating T			
GPM .	321	<u> </u>		Last BOP C		Neutral	NONE	Talaa M	eight trip In
Pump psi	1150		Pressure T		8,000	Pick Up			eignt trip in
Slow Pump F		#1	BOP Drill 8		Yes	Slack Off	5114	NONE_	
SPM	40	60	Drill String		80	Last Date			L
Pump psi .	500	750	Annular Vo		339	Inspected	07/3/09	Ft. of Fill	NONE
	Dri	II String a	ind Botto	m Hole As	ssembly (	Configura	tion		
	<b>Drill Pipe</b>							Cumulat	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	ollars
4-1/2"	16.6	G Pipe	3.826	4 1/2" XH	1	1	1	1	
	1,010								
	<b>Bottom Ho</b>	le Assembi	<u>,                                    </u>					Cumu	lative feet
ltem	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from b	it
Bit	1 1	8 1/2	! !	4-1/2 reg	99	1	1 1		
Bit sub	1	6 1/2	3	41/2reg/xo			3	3	
Monel	1	6 10/27	2 3/4	4-1/2 xo	93		29.96	32.96	
Dill collars	20	6 1/4	2 1/2	4-1/2 xo	92		611.96	644.92	
								644.92	
					1				
					<u> </u>			644.92	
								644.92	
								644.92 644.92	
								644.92	
						Total	645.92	644.92 644.92 644.92	
		F	leport of	Operation	ns	Total		644.92 644.92	
Hours		F	Report of	Operation	ns	Total		644.92 644.92 644.92	
Hours		F	Report of	Operation	ns	Total	Г	644.92 644.92 644.92 <b>Drilling Co</b>	sts
0600 to 0915	Drill ahead	8-1/2" F/5,5	50' to 5,631'	ROP = 24.	92' per/hr.		Item [	644.92 644.92 07 644.92 644.92 644.92	sts
0600 to 0915 0915 to 1000	Directional s	8-1/2" F/5,5 urvey @ 561	50' to 5,631' 6' was 2 deg	ROP = 24. & AZM was 4	92' per/hr.		Item Drilling Foo	644.92 644.92 07 644.92 644.92 644.92	sts
0600 to 0915	Directional s	8-1/2" F/5,5 urvey @ 561	50' to 5,631' 6' was 2 deg	ROP = 24. & AZM was 4	92' per/hr.		Item Drilling Foo Drilling Day Water Drilling Muc	644.92 644.92 07 644.92 07 644.92 07 644.92 07 644.92	sts
0600 to 0915 0915 to 1000	Directional s Drill F/5,63	8-1/2" F/5,5 survey @ 561 1' to 5,724'	50' to 5,631' 6' was 2 deg	ROP = 24. & AZM was 4	92' per/hr.		Item Drilling Foo Drilling Day Water	644.92 644.92 07 644.92 07 644.92 07 644.92 07 644.92	sts
0600 to 0915 0915 to 1000 1000 to 1500	Directional s Drill F/5,631 Rig service	8-1/2" F/5,5 survey @ 561 1' to 5,724'	50' to 5,631' 6' was 2 deg ROP = 18.6	' ROP = 24. & AZM was 4 ' per/hr.	92' per/hr.		Item Drilling Foo Drilling Day Water Drilling Muc	644.92 644.92 644.92 Drilling Co tage work	sts
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530	Directional s Drill F/5,63 Rig service Drill F/5,72	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002'	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr.	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud (	644.92 644.92 644.92 Drilling Co tage work	sts
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145	Directional s Drill F/5,63' Rig service Drill F/5,724 Directional	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 56	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	644.92 644.92 644.92 Drilling Co tage work	sts
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230	Directional s Drill F/5,63 Rig service Drill F/5,72 Directional Drill F/ 6,00	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 59 02' to 6,046'	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all	644.92 644.92 644.92 Drilling Co tage work Cost g Unit strings fests	sts
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400	Directional s Drill F/5,63 Rig service Drill F/5,72 Directional Drill F/ 6,00	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 59 02' to 6,046'	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T	644.92 644.92 644.92  Orilling Co tage work  Cost g Unit strings fests is	sts
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400	Directional s Drill F/5,63 Rig service Drill F/5,72 Directional Drill F/ 6,00	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 59 02' to 6,046'	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log	644.92 644.92 644.92 Drilling Co tage work	sts
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400	Directional s Drill F/5,63 Rig service Drill F/5,72 Directional Drill F/ 6,00	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 59 02' to 6,046'	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Gum. doggin Cement all Drill Stem T Electric Log Bits, Suppli	644.92 644.92 644.92 Drilling Co tage work	sts
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400 0400 to 0600	Directional s Drill F/5,63* Rig service Drill F/5,72* Directional Drill F/6,000 Drill 6,046*	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 59 02' to 6,046'	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3 OP = 7'	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Gum. du Loggin Cement all Drill Stem T Electric Log Bits, Suppli	644.92 644.92 644.92 Drilling Co tage work	sts
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400 0400 to 0600	Directional s Drill F/5,63* Rig service Drill F/5,72* Directional Drill F/6,000 Drill 6,046*	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 56 02' to 6,046' to 6,060' R	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3 OP = 7'	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Gum. du Loggin Cement all Drill Stem T Electric Log Bits, Suppli	644.92 644.92 644.92 Drilling Co tage work	sts Daily
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400 0400 to 0600	Directional s Drill F/5,63* Rig service Drill F/5,72* Directional Drill F/6,000 Drill 6,046*	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 56 02' to 6,046' to 6,060' R	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3 OP = 7'	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	644.92 644.92 644.92 Drilling Co tage work I Cost g Unit strings ests is es /ell Head	sts
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400 0400 to 0600	Directional s Drill F/5,63* Rig service Drill F/5,72* Directional Drill F/6,000 Drill 6,046*	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 56 02' to 6,046' to 6,060' R	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3 OP = 7'	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Gugin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings ests s es /ell Head	sts Daily
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400 0400 to 0600	Directional s Drill F/5,63* Rig service Drill F/5,72* Directional Drill F/6,000 Drill 6,046*	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 56 02' to 6,046' to 6,060' R	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3 OP = 7'	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings ests s es /ell Head Costs Costs	\$41,141 \$621,632
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400 0400 to 0600	Directional s Drill F/5,63* Rig service Drill F/5,72* Directional Drill F/6,000 Drill 6,046*	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 56 02' to 6,046' to 6,060' R	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3 OP = 7'	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings ests ses /ell Head Costs Costs tegory	\$41,141 \$621,632 Hrs.
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400 0400 to 0600	Directional s Drill F/5,63* Rig service Drill F/5,72* Directional Drill F/6,000 Drill 6,046*	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 56 02' to 6,046' to 6,060' R	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3 OP = 7'	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Drlg Rotatin	644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings ests ses /ell Head Costs Costs tegory	\$41,141 \$621,632 Hrs.
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400 0400 to 0600	Directional s Drill F/5,63* Rig service Drill F/5,72* Directional Drill F/6,000 Drill 6,046*	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 56 02' to 6,046' to 6,060' R	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3 OP = 7'	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Drig Rotatir Survey	644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings ests ses /ell Head Costs Costs tegory	\$41,141 \$621,632 Hrs.
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400 0400 to 0600	Directional s Drill F/5,63* Rig service Drill F/5,72 Directional Drill F/6,00 Drill 6,046*	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 56 02' to 6,046' to 6,060' R	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3 OP = 7'	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Drlg Rotatin	644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings ests ses /ell Head Costs Costs tegory	\$41,141 \$621,632 Hrs.
0600 to 0915 0915 to 1000 1000 to 1500 1500 to 1530 1530 to 0145 0145 to 0230 0230 to 0400 0400 to 0600	Directional s Drill F/5,63* Rig service Drill F/5,72* Directional Drill F/6,000 Drill 6,046*	8-1/2" F/5,5 survey @ 561 1' to 5,724' 4' to 6,002' survey @ 56 02' to 6,046' to 6,060' R	50' to 5,631' 6' was 2 deg ROP = 18.6 ROP = 27.1 942' was 0.2 ROP = 29.3 OP = 7'	' ROP = 24. & AZM was 4 ' per/hr. 2' per/hr. 2 deg & AZM	92' per/hr. 10.6 TVD = 5,1	607'	Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud C Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Drig Rotatir Survey Rig service	644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings ests se cest /ell Head Costs Costs tegory	\$41,141 \$621,632

Well Name									
	T <sup>-</sup>	wo Fer 26-3	0		Location		SEC 26 - 1	7 26S - R 30	E
Date	7/22/09	Rig		ntier 7	Present Op	eration	Circ	. Out gas on	choke
Day No.	16	Formation			Lithology				
•				0.0001		-D		6000	
Depth ft	6,279	Previous De		6,060'	Proposed T			6800	
Made	219	ft in	17	hrs	Drilling rate	of	12.88	ft. per hr.	
				Mud					
Weight	18.3	Chlorides	208,000	Calcium	6,000	Solids	LGS=1.5	L.C.M.	NONE
•		P.V.	42	Y.P.	53	Gels	44/55	PH	7.5
VIS. Fun.	74								
Water loss	11.2	Filter Cake	2	KCL %	NONE	Oil %	NONE	Nitrates	NONE
				Mud Gas					
Average	30	Maximum	8311	Connection	245	Trip	NONE	Flare	NONE
/ (+0.ago			litions last			& Quantity			
		widu auc	וונוטווס ומסנ	24 HOUIS	Fioudott	a Qualitity			
				Bit R	ecord				
WOB	36/40	RPM	75/80			ative Rotatin	a Houre	654	
	30/40		73/00		Cultiuk		ig Hours		-
Dull Bit No.		Size		Type		Ser. No.		Jets	
Depth Out		Made		ft in	_	_hrs. Ft/hr		Dull Gr.	
Present Bit #	3	Size	8.5"	Type	MXL-S11	Ser. No.	6052259	Jets	3X32
	5178	Made	1,101	ft in	60	hrs.	Avg. ft./hr.	18.35	
Depth in									
	Pur	nps	BOF	o Informa	ation	Ho	le Drag an	d Conditi	on Into.
Mud Pump	No. 1	No. 2	l Dee	pest Casing	Set	Strine	y Weight	Trip C	Conditions
•		1	Size		Min. Burst		125K		Spots Out
Make	F 1000	F 1000		Depth	1				
Liner	6"	6"	9 5/8"	2,960'	9265	Pick Up	138K	Depth	Over Pull
Stroke	10"	10"		Shoe test		Slack Off	125K	NONE	<u> </u>
SPM	93		Equiv. Muc		NONE	Rotating T	oralle		
						4 ~	•		<del>                                     </del>
GPM	321			Last BOP C		Neutral	NONE_		J
Pump psi	1150		Pressure T	ested To	8,000	Pick Up		Takes W	eight trip In
Slow Pump !	#1	#1	BOP Drill 8	Function	Yes	Slack Off		NONE	1
•	40	60	Drill String		4	Last Date	RHA		<del>                                     </del>
SPM	40	- 60	Julin Stillig	VOI. DDIS.		1			<u> </u>
Pump psi	500	750	Annular Vo	i. Bbis.	#VALUE!	Inspected	07/3/09	Ft. of Fill	NONE
	Dri	II String a	and Botto	m Hole As	sembly (	Configura	tion		
		Ouring o	50		occinizity (	- 0gu.u		A	· · · · · · · · · · · · · · · · · · ·
	Drill Pipe							Cumula	tive ft. from
	307 3 1 4	Grade	Tuba I D	T I Time	T.J. I.D.	T. J. O.D.	Length	top of c	ollars
Size	Weight		Tube I.D.	I.J. IVDE					
Size	Weight			T.J. Type		1	I	1000.0	
Size 4-1/2"	<b>Weight</b> 16.6	G Pipe	3.826	4 1/2" XH				-	
						1.0.0.5.	25.19	-	
							Longar		
	16.6	G Pipe	3.826						lative feet
4-1/2"	16.6 Bottom Ho	G Pipe	3.826 y	4 1/2" XH				Cumu	
4-1/2"	16.6  Bottom Ho Quantity	G Pipe le Assembl O.D.	3.826	4 1/2" XH Thread	Lbs./ft	Grade	Length		
4-1/2"  Item  Bit	16.6  Bottom Ho Quantity 1	G Pipe le Assembl O.D. 8 1/2	3.826 y I.D.	4 1/2" XH  Thread 4-1/2 reg			Length	Cumu from k	oit
4-1/2"	16.6  Bottom Ho Quantity	G Pipe le Assembl O.D.	3.826 y I.D.	4 1/2" XH Thread	Lbs./ft		Length 1 3	Cumu from b	oit
4-1/2"  Item  Bit	16.6  Bottom Ho Quantity 1	G Pipe le Assembl O.D. 8 1/2	3.826 y I.D.	4 1/2" XH  Thread 4-1/2 reg	Lbs./ft		Length	Cumu from k	oit
Item Bit Bit sub Monel	Bottom Ho Quantity 1 1 1	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27	3.826 y I.D.	4 1/2" XH  Thread 4-1/2 reg 41/2reg/xo 4-1/2 xo	Lbs./ft 99		Length 1 3 29.96	Cumu from b	oit i
4-1/2"  Item  Bit  Bit sub	Bottom Ho Quantity 1	G Pipe le Assembl O.D. 8 1/2 6 1/2	3.826 y I.D.	4 1/2" XH  Thread 4-1/2 reg 41/2reg/xo	<b>Lbs./ft</b> 99		Length 1 3	Cumu from b 3 32.96 644.92	oit
Item Bit Bit sub Monel	Bottom Ho Quantity 1 1 1	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27	3.826 y I.D.	4 1/2" XH  Thread 4-1/2 reg 41/2reg/xo 4-1/2 xo	Lbs./ft 99		Length 1 3 29.96	Cumu from b 32.96 644.92 644.92	oit :
Item Bit Bit sub Monel	Bottom Ho Quantity 1 1 1	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27	3.826 y I.D.	4 1/2" XH  Thread 4-1/2 reg 41/2reg/xo 4-1/2 xo	Lbs./ft 99		Length 1 3 29.96	Cumu from k 32.96 644.92 644.92	oit
Item Bit Bit sub Monel	Bottom Ho Quantity 1 1 1	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27	3.826 y I.D.	4 1/2" XH  Thread 4-1/2 reg 41/2reg/xo 4-1/2 xo	Lbs./ft 99		Length 1 3 29.96	Cumu from b 32.96 644.92 644.92	oit
Item Bit Bit sub Monel	Bottom Ho Quantity 1 1 1	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27	3.826 y I.D.	4 1/2" XH  Thread 4-1/2 reg 41/2reg/xo 4-1/2 xo	Lbs./ft 99		Length 1 3 29.96	Cumu from k 32.96 644.92 644.92 644.92	oit
Item Bit Bit sub Monel	Bottom Ho Quantity 1 1 1	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27	3.826 y I.D.	4 1/2" XH  Thread 4-1/2 reg 41/2reg/xo 4-1/2 xo	Lbs./ft 99		Length 1 3 29.96	Cumu from b 32.96 644.92 644.92 644.92 644.92	oit
Item Bit Bit sub Monel	Bottom Ho Quantity 1 1 1	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27	3.826 y I.D.	4 1/2" XH  Thread 4-1/2 reg 41/2reg/xo 4-1/2 xo	Lbs./ft 99	Grade	Length 1 3 29.96 611.96	Cumu from k 32.96 644.92 644.92 644.92	oit
Item Bit Bit sub Monel	Bottom Ho Quantity 1 1 1	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4	3.826  y I.D.  3 2 3/4 2 1/2	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo	Lbs./ft 99 93 92		Length 1 3 29.96 611.96	Cumu from b 32.96 644.92 644.92 644.92 644.92	Dit
Item Bit Bit sub Monel	Bottom Ho Quantity 1 1 1	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4	3.826  y I.D.  3 2 3/4 2 1/2	4 1/2" XH  Thread 4-1/2 reg 41/2reg/xo 4-1/2 xo	Lbs./ft 99 93 92	Grade	Length 1 3 29.96 611.96	Cumu from b 32.96 644.92 644.92 644.92 644.92	Dit
Item Bit Bit sub Monel Dill collars	Bottom Ho Quantity 1 1 1	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4	3.826  y I.D.  3 2 3/4 2 1/2	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo	Lbs./ft 99 93 92	Grade	Length 1 3 29.96 611.96	Cumu from b 32.96 644.92 644.92 644.92 644.92	Dit
Item Bit Bit sub Monel	Bottom Ho Quantity 1 1 1	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4	3.826  y I.D.  3 2 3/4 2 1/2	Thread 4-1/2 reg 41/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo	Lbs./ft 99 93 92	Grade	Length 1 3 29.96 611.96	Cumu from b 32.96 644.92 644.92 644.92 644.92 Orilling Co	oit
Item Bit Bit sub Monel Dill collars	Bottom Ho Quantity 1 1 20	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4	3.826  y I.D.  3 2 3/4 2 1/2  Report of	Thread 4-1/2 reg 4-1/2 reg 4-1/2 xo 4-1/2 xo 0-1/2 xo	Lbs./ft 99 93 92	Grade	Length 1 3 29.96 611.96 645.92  Lem Drilling Foo	Cumu from b 32.96 644.92 644.92 644.92 644.92 Orilling Co	oit
Item Bit Bit sub Monel Dill collars  Hours	Bottom Ho Quantity 1 1 20  Drill F/6060	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4	3.826  y I.D.  3 2 3/4 2 1/2	Thread 4-1/2 reg 4-1/2 reg 4-1/2 xo 4-1/2 xo 0-1/2 xo	Lbs./ft 99 93 92	Grade	Length	Cumu from b 32.96 644.92 644.92 644.92 644.92 Orilling Co	oit
Item Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Bottom Ho Quantity 1 1 20  Drill F/6060 Rig service	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4	3.826  y I.D.  3 2 3/4 2 1/2  Report of	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr	Lbs./ft 99 93 92	Grade	Length  1 3 29.96 611.96  645.92  Item Drilling Fool Drilling Day Water	Cumu from b 32.96 644.92 644.92 644.92 644.92 Orilling Co	oit
Item Bit Bit sub Monel Dill collars  Hours	Bottom Ho Quantity 1 1 20  Drill F/6060 Rig service	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4	3.826  y I.D.  3 2 3/4 2 1/2  Report of	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr	Lbs./ft 99 93 92	Grade	Length	Cumu from b 32.96 644.92 644.92 644.92 644.92 Orilling Co	oit
Section	Bottom Ho Quantity 1 1 1 20  Drill F/6060 Rig service Drill F/6,15	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  F  ' to 6,158'	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo  4-1/2 xo  Operation 7' per/hr	Lbs./ft 99 93 92	Grade	Length  1 3 29.96 611.96 611.96  Length 1 3 29.96 611.96  Color of the color of the	Cumu from b 32.96 644.92 644.92 644.92 644.92 Orilling Co	oit
Hours  0600 to 1415 1445 to 1730 1730 to 1930	Drill F/6060  Drill F/6,15:  Drill F/6,210	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  F  ' to 6,158' 8' to 6,210' 0' to 6,219'	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4'	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr.	Lbs./ft 99 93 92	Grade	Length 1 3 29.96 611.96 645.92  Length 1 645.92  Length 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cumu from k 32.96 644.92 644.92 644.92 644.92 Orilling Co	oit
Hours  0600 to 1415 1445 to 1445 1445 to 1730 1730 to 1930 1930 to 2130	Drill F/6,211	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  F  ' to 6,158' 8' to 6,210' 0' to 6,219' 9' to 6,262'	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4'  ROP = 21.'	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr. per/hr.	Lbs./ft 99 93 92	Grade	Length 1 3 29.96 611.96 645.92  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	Cumu from to 33 32.96 644.92 644.92 644.92 644.92 Drilling Co	oit
Hours  0600 to 1415 1445 to 1743 1730 to 1930 2130 to 2330	Drill F/6,211 Drill F/6,26	G Pipe  Ile Assembl O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F  I to 6,158' 1 to 6,210' 0' to 6,219' 2' to 6,262' 2' to 6,279'	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4' ROP = 21.' ROP = 7.7'	Thread 4-1/2 reg 4-1/2 reg 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr. per/hr. 2' per/hr.	Lbs./ft   99   93   92	Grade	Length  1 3 29.96 611.96  645.92  Item Drilling Foor Drilling Mud Cum. Mud Coggin Cement all	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cotage work	oit
Hours  0600 to 1415 1445 to 1730 1730 to 1930 1930 to 2130	Drill F/6,211 Drill F/6,26	G Pipe  Ile Assembl O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F  I to 6,158' 1 to 6,210' 0' to 6,219' 2' to 6,262' 2' to 6,279'	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4' ROP = 21.' ROP = 7.7'	Thread 4-1/2 reg 4-1/2 reg 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr. per/hr. 2' per/hr.	Lbs./ft   99   93   92	Grade	Length 1 3 29.96 611.96 645.92  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cotage work	oit
Hours  0600 to 1415 1445 to 1445 1730 to 1930 2130 to 2330	Drill F/6060 Rig service Drill F/6,15: Drill F/6,26: While drillin	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  Fito 6,158' 1'to 6,210' 0'to 6,219' 9'to 6,262' 2'to 6,279' g @ 6,279'	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 18.9  ROP = 21.'  ROP = 7.7;  Gas went to	Thread 4-1/2 reg 4-1/2 reg 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr. per/hr. 2' per/hr. 8100 units	Lbs./ft 99 93 92 92	Grade	Length  1 3 29.96 611.96  645.92  Item Drilling Footh Drilling Mud Cum. Mud & Mud Loggin Cement all Drill Stem T	Cumu from to 3 32.96 644.92 644.92 644.92 Orilling Cottage work	pit
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,211 Drill F/6,215 While drillir flowing shu	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  l' to 6,158' l' to 6,210' D' to 6,219' 2' to 6,262' 2' to 6,279' g @ 6,279' t in well 45m	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4  ROP = 21.'  Gas went to fin. Drill pipe	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr. per/hr. 2' per/hr. 8100 units is press. 750	Lbs./ft 99 93 92 92 P/U check ft psi = 18.1 g	Grade  Total  ow. Well opg kill	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Coggin Mud Loggin Cement all Drill Stem T Electric Log	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cotage work	oit
Hours  0600 to 1415 1445 to 1445 1730 to 1930 2130 to 2330	Drill F/6060 Rig service Drill F/6,21: Drill F/6,21: While drilling shu	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  l' to 6,158' l' to 6,210' D' to 6,219' g' to 6,262' 2' to 6,279' t in well 45m .2 ppg to 18	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4' ROP = 21.' ROP = 7.7' Gas went to fin. Drill pipe 3.3 for kill m	Thread 4-1/2 reg 41/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr. per/hr. per/hr. per/hr. 2' per/hr. 8100 units le press. 750 ud wt. Raise	Lbs./ft   99   93   92	Grade  Total  Total  ow. Well  pgg kill  to 18.3+	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Loggin Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cotage work	pit
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,21: Drill F/6,25: While drillin mud added ppg & start	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 1/2 6 1/4  l' to 6,158' 'to 6,210' D' to 6,219' g' to 6,262' 2' to 6,279' t in well 45m .2 ppg to 15	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4' ROP = 21.' ROP = 7.7' Gas went to in. Drill pipe 3.3 for kill m mud down	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr. per/hr. per/hr. 2' per/hr. 8100 units l press. 750 ud wt. Raise drill string	Lbs./ft 99 93 92  P/U check fl psi = 18.1 g mud in pits aintain cons	Grade	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Coggin Mud Loggin Cement all Drill Stem T Electric Log	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cotage work	oit
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,21: Drill F/6,25: While drillin mud added ppg & start	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 1/2 6 1/4  l' to 6,158' 'to 6,210' D' to 6,219' g' to 6,262' 2' to 6,279' t in well 45m .2 ppg to 15	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4' ROP = 21.' ROP = 7.7' Gas went to in. Drill pipe 3.3 for kill m mud down	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr. per/hr. per/hr. 2' per/hr. 8100 units l press. 750 ud wt. Raise drill string	Lbs./ft 99 93 92  P/U check fl psi = 18.1 g mud in pits aintain cons	Grade	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Loggin Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cotage work	oit
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Drill F/6,21 Drill F/6,21 Drill F/6,21 Drill F/6,25 While drillir flowing shu mud added ppg & start pipe press.	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  l to 6,158' l to 6,210' D' to 6,219' g' to 6,262' 2' to 6,279' g @ 6,279' t in well 45m .2 ppg to 18 pumping kill While killing	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4' ROP = 21.' ROP = 7.7' Gas went to fain. Drill pipe in. Drill p	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr. per/hr. 2' per/hr. 2' per/hr. 2' per/hr. but wt. Raise drill string mable to kee	Lbs./ft 99 93 92 92 P/U check ft psi = 18.1 g mud in pits aintain cons p 18.3 ppg g	Grade	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Loggin Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cotage work	oit
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060  Drill F/6,210  Drill F/6,210  Drill F/6,210  Drill F/6,210  Drill F/6,210  Drill F/6,250  While drillin flowing shu mud added ppg & start pipe press. some 17.94	G Pipe  Ile Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  It to 6,158' It to 6,210' D' to 6,219' G' to 6,262' 2' to 6,279' g @ 6,279' t in well 45m .2 ppg to 18 pumping kill While killing down hole.	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4  ROP = 21.  ROP = 7.7  Gas went to fin. Drill pipe 3.3 for kill m i mud down a well was u After gettin	Thread 4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr. per/hr. 2' per/hr. 8100 units le press. 750 ud wt. Raise drill string m nable to kee g back a 17.	P/U check ff psi = 18.1 g mud in pits aintain cons p 18.3 ppg g 6 ppg at she	Grade	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cotage work	oit
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,20: Drill F/6,20: While drillin flowing shu mud added ppg & start pipe press. some 17.9-9 gas droppe	G Pipe  Ile Assembl O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F  I' to 6,158'  B' to 6,210' D' to 6,219' G' to 6,262' 2' to 6,279' g @ 6,279' t in well 45m 2 ppg to 18 pumping kill pumping kill While killing down hole d from 8100	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4  ROP = 21.'  ROP = 7.7  Gas went to fin. Drill pipe 3.3 for kill min g well was u. After gettin units to 150  units to 150	Thread 4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr. per/hr. 2' per/hr. 8100 units le press. 750 ud wt. Raise drill string mable to kee g back a 17.00 units. Mov	Lbs./ft 99 93 92 92 P/U check ft psi = 18.1 g mud in pits aintain cons p 18.3 ppg g 6 ppg at sha /e pipe 10 to	Grade  Grade  Total  Total  Ow. Well  pg kill  to 18.3+  stant drill  pumped  ale shakers  ip & down	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cottage work	Daily
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,20: Drill F/6,20: While drillin flowing shu mud added ppg & start pipe press. some 17.9-9 gas droppe	G Pipe  Ile Assembl O.D.  8 1/2 6 1/2 6 10/27 6 1/4  F  I' to 6,158'  B' to 6,210' D' to 6,219' G' to 6,262' 2' to 6,279' g @ 6,279' t in well 45m 2 ppg to 18 pumping kill pumping kill While killing down hole d from 8100	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4  ROP = 21.'  ROP = 7.7  Gas went to fin. Drill pipe 3.3 for kill min g well was u. After gettin units to 150  units to 150	Thread 4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr. per/hr. 2' per/hr. 8100 units le press. 750 ud wt. Raise drill string m nable to kee g back a 17.	Lbs./ft 99 93 92 92 P/U check ft psi = 18.1 g mud in pits aintain cons p 18.3 ppg g 6 ppg at sha /e pipe 10 to	Grade  Grade  Total  Total  Ow. Well  pg kill  to 18.3+  stant drill  pumped  ale shakers  ip & down	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Coggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cottage work	Daily
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,219 Drill F/6,219 Drill F/6,269 White drillin flowing shu mud added ppg & start pipe press. some 17.94 gas droppe pipe is free	G Pipe  Ie Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  Final Pipe Pipe Pipe Pipe Pipe Pipe Pipe Pipe	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4  ROP = 21.  ROP = 7.7  Gas went to fin. Drill pipe 3.3 for kill m mud down way a well was u After gettin units to 15td d gas cut w	Thread 4-1/2 reg 4-1/2 reg 4-1/2 reg 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr. per/hr. 2' per/hr. 8100 units le press. 750 ud wt. Raise drill string mable to kee g back a 17. 00 units: Movas 13.1 ppg.	P/U check file psi = 18.1 g mud in pits aintain cons aintain cons for ppg at share pipe 10° u After getting	Grade  Grade  Total  Total  Ow. Well  pgg kill  to 18.3+  stant drill  pumped  ale shakers  p & down  g surface	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cotage work	posts Daily  \$27,309
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,21: Drill F/6,26: While drillin flowing shu mud added ppg & start pipe press. some 17.9-gas droppe pipe is free to surface of	G Pipe  Ile Assembl O.D.  8 1/2 6 1/2 6 10/27 6 1/4  Final Pipe Pipe Pipe Pipe Pipe Pipe Pipe Pipe	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 18.9  ROP = 4.4  ROP = 21.  ROP = 7.7  Gas went to fin. Drill pipe 3.3 for kill m mud down 2 well was u 2.  After gettin units to 15td d gas cut w from 8100	Thread 4-1/2 reg 4-1/2 reg 4-1/2 reg 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr. per/hr. 2' per/hr. 8100 units le press. 750 ud wt. Raise drill string m nable to kee g back a 17. 00 units. Moo as 13.1 ppg. units to 1500	Lbs./ft 99 93 92 92 P/U check fl psi = 18.1 g mud in pits aintain cons p 18.3 ppg at pipe 10' u After getting units. Rigg	Grade  Grade  Total  Total  Total  Ow. Well  Dog kill  to 18.3+  stant drill  Dumped  ale shakers  p & down  g surface  ed up	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well	Cumu from to 3 32.96 644.92 644.92 644.92 Cost g Unit strings ests is es /ell Head	\$27,309 \$648,941
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,21: Drill F/6,21: Drill F/6,25: While drillin flowing shu mud added ppg & start pipe press. some 17.94 gas droppe pipe is free to surface gother blower	G Pipe  Ile Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  First to 6,210' 0' to 6,219' 9' to 6,219' 9' to 6,262' 2' to 6,279' tin well 45m .2 ppg to 18 pumping kill While killing d from 8100 Lowest mu gas dropped ar to bulk tar	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 18.9  ROP = 21.'  ROP = 7.7  Gas went to fin. Drill pipe 3.3 for kill m in und down a well was u. After gettin prints to 150 d gas cut w. from 8100 ks @ 06:00 ks @ 06:00	Thread 4-1/2 reg 4-1/2 reg 4-1/2 reg 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation 7' per/hr per/hr. per/hr. 2' per/hr. 8100 units le press. 750 ud wt. Raise drill string m nation g back a 17. 00 units Mo as 13.1 ppg. units to 1500 pumping 18	P/U check fi psi = 18.1 g mud in pits aintain cons p 18.3 ppg g 6 ppg at share pipe 10° u After getting units. Riggi 3.3 ppg down	Grade  Grade  Total  Total  Total  Total  Oww. Well  Dog kill  to 18.3+  stant drill  Dumped  Dale shakers  Up & down  g surface  ed up  n hole	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud & Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca	Cumu from to 3 32.96 644.92 644.92 644.92 Cost g Unit strings ests is es es fell Head	\$27,309 \$648,941 Hrs.
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,21: Drill F/6,21: Drill F/6,25: While drillin mud added ppg & start pipe press. some 17.9- gas droppe pipe is free to surface of other blowe thru choke	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  1 to 6,158' 8' to 6,210' 0' to 6,219' 9' to 6,262' 2' to 6,279' g @ 6,279' g @ 6,279' g @ 6,279' le Distribution of the composition o	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4' ROP = 7.7; Gas went to in. Drill pipe 3.3 for kill m mud down y well was u After gettin units to 150 d gas cut w from 8100 ks @ 06:00	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4	P/U check fl psi = 18.1 g mud in pits aintain cons p 18.3 ppg g 6 ppg at sha re pipe 10° u After getting units. Rigge 3.3 ppg down ould have 1	Grade  Grade  Total	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well	Cumu from to 3 32.96 644.92 644.92 644.92 Cost g Unit strings ests is es es fell Head	\$27,309 \$648,941 Hrs.
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,21: Drill F/6,21: Drill F/6,25: While drillin mud added ppg & start pipe press. some 17.9- gas droppe pipe is free to surface of other blowe thru choke	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  1 to 6,158' 8' to 6,210' 0' to 6,219' 9' to 6,262' 2' to 6,279' g @ 6,279' g @ 6,279' g @ 6,279' le Distribution of the composition o	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4' ROP = 7.7; Gas went to in. Drill pipe 3.3 for kill m mud down y well was u After gettin units to 150 d gas cut w from 8100 ks @ 06:00	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4	P/U check fl psi = 18.1 g mud in pits aintain cons p 18.3 ppg g 6 ppg at sha re pipe 10° u After getting units. Rigge 3.3 ppg down ould have 1	Grade  Grade  Total	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Loggin Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Drlg. Rotatin	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cottage work	\$27,309 \$648,941 Hrs.
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,21 Drill F/6,21 Drill F/6,21 Drill F/6,21 Drill F/6,21 Drill F/6,25 While drillir flowing shu mud added ppg & start pipe press. some 17.9- gas droppe pipe is free to surface of other blowe to surface of	G Pipe  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  le Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  le Assembl I	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4' ROP = 21.' ROP = 7.7' Gas went to fain. Drill pipe in the proper	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4	P/U check ff 99 93 92 92 98 98 99 99 99 99 99 99 99 99 99 99 99	ow. Well opg kill to 18.3+ stant drill bumped ale shakers p & down g surface ed up n hole 8.3 ppg	Length  1 3 29.96 611.96 645.92  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Drig.Rotatir Rig Service	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cottage work	\$27,309 \$648,941 Hrs.
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Drill F/6,15 Drill F/6,21 Drill F/6,21 Drill F/6,21 Drill F/6,21 Drill F/6,25 While drillir flowing shu mud added ppg & start pipe press. some 17.9- gas droppe pipe is free to surface g other blowe thru choke to surface g Note no los	G Pipe  Ile Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  Ile Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  Ile Assembl O.D. 8 1/2 6 10/27 6 1/4  Ile Assembl Ile	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 4.4  ROP = 21.'  ROP = 7.7'  Gas went to fail and the second of the s	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4	Lbs./ft 99 93 92 92 85 P/U check ft psi = 18.1 c mud in pits aintain cons p 18.3 ppg f6 ppg at sha //e pipe 10 tu After getting units. Riggi	Grade  Grade  Total	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Drlg.Rotatir Rig Service Survey	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cottage work	\$27,309 \$648,941 Hrs.
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,26: Drill F/6,26: While drillin flowing shu mud added ppg & start pipe press. some 17.9-gas droppe pipe is free to surface gother blowe thru choke to surface to surface gother no los units of gas units of	G Pipe  Ile Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  F  I to 6,158' 8' to 6,210' 0' to 6,219' 9' to 6,262' 2' to 6,279' g @ 6,279' t in well 45m 2 ppg to 18 pumping kill pumping kill while killing down hole d from 8100 Lowest mu gas dropped er to bulk tar @ 60 stks p & well shoulk sess. Max flas Initial pit gas	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 11.8  ROP = 4.4  ROP = 21.  ROP = 7.7  Gas went to fin. Drill pipe 3.3 for kill mill mill down in the control of	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4	Lbs./ft 99 93 92 92 85 P/U check ft psi = 18.1 c mud in pits aintain cons p 18.3 ppg f6 ppg at sha //e pipe 10 tu After getting units. Riggi	Grade  Grade  Total	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Drlg. Rotatin Rig Service Survey Evaluation	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cottage work  Cost g Unit strings ests ss es (ell Head	\$27,309 \$648,941 Hrs.
Hours  0600 to 1415 1445 to 1730 1730 to 1930 2130 to 2330 2330 to 0300	Drill F/6060 Rig service Drill F/6,26: Drill F/6,26: While drillin flowing shu mud added ppg & start pipe press. some 17.9-gas droppe pipe is free to surface gother blowe thru choke to surface to surface gother no los units of gas units of	G Pipe  Ile Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  Ile Assembl O.D. 8 1/2 6 1/2 6 10/27 6 1/4  Ile Assembl O.D. 8 1/2 6 10/27 6 1/4  Ile Assembl Ile	3.826  y I.D.  3 2 3/4 2 1/2  Report of  ROP = 11.8  ROP = 11.8  ROP = 4.4  ROP = 21.  ROP = 7.7  Gas went to fin. Drill pipe 3.3 for kill mill mill down in the control of	Thread 4-1/2 reg 41/2 reg/xo 4-1/2 xo 4	Lbs./ft 99 93 92 92 85 P/U check ft psi = 18.1 c mud in pits aintain cons p 18.3 ppg f6 ppg at sha /e pipe 10 u After getting units. Riggi	Grade  Grade  Total	Length  1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud ( Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Drlg.Rotatir Rig Service Survey	Cumu from to 3 32.96 644.92 644.92 644.92 644.92 Orilling Cottage work  Cost g Unit strings ests ss es (ell Head	\$27,309 \$648,941 Hrs.

Make         F 1000         F 1000         Size         Depth 2,960'         Min. Burst 9265         Neutral 125K Pick Up 138K         Tight Up 138K Depth 15K           Stroke         10"         10"         Shoe test Shoe test SPM Slack Off 115K         Slack Off 115K           SPM         83         Equiv. Mud Weight NONE Date Last BOP Check Neutral NONE Pick Up 1300         NoNE Neutral NONE Neutral Neutral NONE Neutral Neutral NONE Neutral Neutral Neutral NONE Neutral Neutral NONE Neutral Neu	NONE 7.8 NONE NONE
Depth ft   G,340'	NONE 7.8 NONE NONE 3X32 Stion Info. Conditions of Spots Out Over Pull
Mark	NONE 7.8 NONE NONE 3X32 Stion Info. Conditions of Spots Out Over Pull
Weight	7.8 NONE NONE 3X32 Stion Info. Conditions of Spots Out Over Pull
Weight   18.2   Chlorides   195,000   Calcium   6,000   Solids   LGS=1.1   L.C.M.	7.8 NONE NONE 3X32 Stion Info. Conditions of Spots Out Over Pull
VIS. Fun.   54	7.8 NONE NONE 3X32 Stion Info. Conditions of Spots Out Over Pull
Note	NONE  NONE  3X32  Ition Info. Conditions of Spots Out Over Pull
Average	3X32  ition Info. Conditions of Spots Out Over Pull
Average	3X32 ition Info. Conditions nt Spots Out Over Pull
Mud additions last 24 hours	3X32 ition Info. Conditions of Spots Out Over Pull
WOB	3X32 ition Info. Conditions of Spots Out Over Pull
WOB	3X32 ition Info. Conditions of Spots Out Over Pull
Dull Bit No.	3X32 ition Info. Conditions of Spots Out Over Pull
Depth Out	3X32 ition Info. Conditions at Spots Out Over Pull
Present Bit #   3	3X32 ition Info. Conditions at Spots Out Over Pull
Depth in   S178	ition Info. Conditions Spots Out Over Pull
Number   No. 1   No. 2   Deepest Casing Set   String Weight   Tri	o Conditions at Spots Out Over Pull
Mud Pump         No. 1         No. 2         Deepest Casing Set         String Weight Min. Burst Pick Up         Tright Min. Burst Pick Up         Tright Min. Burst Pick Up         125K         Tight Min. Burst Pick Up         138K         Depth Pick Up         138K         Depth Pick Up         138K         Depth Pick Up         138K         Depth Pick Up         138K         Depth Pick Up         138K         Depth Pick Up         138K         Depth Pick Up         138K         Depth Pick Up         NoNE	o Conditions at Spots Out Over Pull
Make	nt Spots Out Over Pull
Liner   6"   6"   9 5/8"   2,960'   9265   Pick Up   138K   Depth	Over Pull
Stroke	
SPM   288	Weight trip In
Company   Comp	Weight trip In
Pump psi	Weight trip In
Slow Pump F	
SPM         40         60         Drill String Vol. Bbls.         84         Last Date BHA         Inspected         07/3/09         Ft. of Fill           Drill String and Bottom Hole Assembly Configuration           Drill Pipe         Cum           Size Weight 4-1/2" 16.6         Grade GPipe Grade GPipe G	
Pump psi	
Drill String and Bottom Hole Assembly Configuration   Drill Pipe   Cum	
Size   Weight   Grade   Tube I.D.   T.J.   Type   T.J.   I.D.   T.J.   O.D.   Length   top o	
Size   Weight   Grade   Tube I.D.   T.J.   Type   T.J.   I.D.   T.J.   O.D.   Length   top o	lativa ft fram
A-1/2"   16.6   G Pipe   3.826   4 1/2" XH	lative ft. from
Bottom Hole Assembly   Cur	conars
Item         Quantity         O.D.         I.D.         Thread         Lbs./ft         Grade         Length         froi           Bit         1         8 1/2         4-1/2 reg         99         1         3           Bit sub         1         6 1/2         3         41/2 reg/xo         3         3           Monel         1         6 10/27         2 3/4         4-1/2 xo         93         29.96         32           Dill collars         20         4-1/2 xo         92         611.96         644	<u></u>
Item         Quantity         O.D.         I.D.         Thread         Lbs./ft         Grade         Length         froi           Bit         1         8 1/2         4-1/2 reg         99         1         3           Bit sub         1         6 1/2         3         41/2 reg/xo         3         3           Monel         1         6 10/27         2 3/4         4-1/2 xo         93         29.96         32           Dill collars         20         4-1/2 xo         92         611.96         644	
Item         Quantity         O.D.         I.D.         Thread         Lbs./ft         Grade         Length         froi           Bit         1         8 1/2         4-1/2 reg         99         1         3           Bit sub         1         6 1/2         3         41/2 reg/xo         3         3           Monel         1         6 10/27         2 3/4         4-1/2 xo         93         29.96         32           Dill collars         20         4-1/2 xo         92         611.96         644	nulative feet
Bit         1         8 1/2         4-1/2 reg         99         1           Bit sub         1         6 1/2         3         41/2 reg/xo         3           Monel         1         6 10/27         2 3/4         4-1/2 xo         93         29.96         32           Dill collars         20         4-1/2 xo         92         611.96         644	n bit
Bit sub         1         6         1/2         3         41/2reg/xo         3           Monel         1         6         10/27         2         3/4         4-1/2 xo         93         29.96         32           Dill collars         20         4-1/2 xo         92         611.96         644	
Monel         1         6 10/27         2 3/4         4-1/2 xo         93         29.96         32           Dill collars         20         4-1/2 xo         92         611.96         644	3
	96
CAA	
644	
644	
644	
644	92
Total 645.92	\
Report of Operations Drilling	
Hours Item	Daily
Drilling Footage	
0600 to 1000 Continue circ. & cond mud from 17.9 ppg to 18.3 ppg going thru the Drilling Daywork	
gas buster with 1200 units of gas.  Water  1000 to 1200 Shut down pumps open annular & well not flowing. Cont. circ. Btms  Drilling Mud	
1000 to 1200 Shut down pumps open annular & well not flowing. Cont. circ. Btms  Up getting mud wt 18.3 in & out. Take off gas buster & go thru flow line  Cum. Mud Cost	
1200 to 1945 Drilling 8-1/2" hole from 6,279' to 6,313' ROP = 4.38' per/hr. Mud Logging Unit	
1945 to 2015 Rig service Cement all strings	
1945 to 0600 Drilling 8-1/2" hole from 6,313' to 6,340' ROP = 2.6' per/hr. Drill Stem Tests	
Electric Logs	<del></del>
Bits, Supplies	
TOTAL HRS ON BIT #3 = 77.5 Casing & Well Head	
Other	
Cum. Daily Costs	044405
Total Well Costs	\$44,125
Time Category	\$44,125 \$693,066
Drillng Rotating	
Rig service	\$693,066
Circ.	\$693,066 Hrs.
Evaluation	\$693,066 <b>Hrs.</b> 17.5
Unscheduled Events	\$693,066 <b>Hrs.</b> 17.5 0.5
Drilling Supervisor Peter Wilson & Jim Weir Tool Pusher Mark Underwood	\$693,066 <b>Hrs.</b> 17.5 0.5

Well Name	Two Fer 26	3-30			Location		SEC 26 - 7	Г 26S - R 30	E
Date	7/24/09	Rig	Fror	itier 7	Present Op	eration		w/magnet @	
Day No.	18	Formation	Clas	tic 22	Lithology				
Depth ft	6,356	Previous De	epth	6,340'	Proposed 1	ΓD		6800	
Made	16	ft in	8.5	hrs	Drilling rate	of	1.88	ft. per hr.	
		•		Mud				-	
Weight	17.9	Chlorides	196,000	Calcium	6200	Solids	LGS=.8	L.C.M.	NONE
VIS. Fun.	50	P.V.	28	Y.P.	24	- Gels	18/29	PH	7.8
Water loss	11.8	Filter Cake		KCL %	NONE	Oil %	3.5	Nitrates	NONE
		•		Mud Gas		-		-	
Average	8	Maximum	See Note	Connection	96	Trip		Flare	
		Mud add	litions last	24 hours	Product 8	& Quantity		-	
				Bit R	Record				
WOB	38/42	RPM	75/80			ative Rotatir	•	671	- 0.400
Dull Bit No.	3	Size	8.5"	Type	MXL-S11	Ser. No.	6052259	Jets	3X32
Depth Out	6,356	Made	1,178'	ft in	86	hrs. Ft/hr		Dull Gr.	6-8-in
Present Bit #	3	Size	8.5"	Type	MXL-S11	Ser. No.	6052259	Jets	3X32
Depth in	5178	Made	1,178	ft in	86	hrs.	Avg. ft./hr.	13.70	
	Pui	mps	BOF				ie Drag ar		
Mud Pump	No. 1	No. 2	Dee	pest Casing	•	1 '	g Weight		Conditions
Make	F 1000	F 1000	Size	Depth	Min. Burst	1	128	4 ×	Spots Out
Liner	6"	6"	9 5/8"	2,960'	9265	Pick Up	135	Depth	Over Pull
Stroke	10"	10"	j	Shoe test		Slack Off	122	NONE	
SPM	93		Equiv. Muc		NONE	Rotating T			
GPM	321			Last BOP (		Neutral	NONE		
Pump psi	1150		Pressure T		8,000	Pick Up			eight trip In
Slow Pump F	#1	#1	BOP Drill 8	k Function	Yes	Slack Off		NONE	
SPM	40	60	Drill String	Vol. Bbls.	84	Last Date	BHA		
Pump psi	500	750	Annular Vo	l. Bbls.	360	Inspected	07/3/09	Ft. of Fill	
	Dri	II String a	nd Botto	m Hole A	ssembly (	Configura	tion	•	
	Drill Pipe	_						Cumula	tive ft. from
Ci	•	Grade	Tubo I D	T.J. Type	TIID	T. J. O.D.	Length	top of c	
Size	Weight			4 1/2" XH	1.3. 1.D.	1.3. 0.0.	l cengui	I TOP OF C	Ollars
4-1/2"	16.6	G Pipe	3.826	4 1/2 1/1	-	1		<del>                                     </del>	
					<del>                                     </del>	<del>                                     </del>			
	Bottom Ho	l le Assembl				1	1	Cumu	lative feet
		ie waseiiini	y					Odilla	
ltom	Ougntitu	$\sim$ D	חו	Thread	I he /ft	Grade	Length	from h	nit
ltem Magnet	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade I	Length	from b	oit
Magnet	2.5	8	<u> </u>	4-1/2 reg	99	Grade	2.5		
Magnet Bit sub	2.5 1	8 6 1/2	3	4-1/2 reg 41/2reg/xo	99	Grade	2.5	3	3
Magnet Bit sub Monel	2.5 1 1	8	<u> </u>	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	2.5 3 29.96	32.96	3 3
Magnet Bit sub	2.5 1	8 6 1/2	3	4-1/2 reg 41/2reg/xo	99	Grade	2.5	32.96 644.92	3 3
Magnet Bit sub Monel	2.5 1 1	8 6 1/2	3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	2.5 3 29.96	32.96 644.92 644.92	
Magnet Bit sub Monel	2.5 1 1	8 6 1/2	3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	2.5 3 29.96	32.96 644.92 644.92 644.92	3
Magnet Bit sub Monel	2.5 1 1	8 6 1/2	3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	2.5 3 29.96	32.96 644.92 644.92	3
Magnet Bit sub Monel	2.5 1 1	8 6 1/2	3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	2.5 3 29.96	32.96 644.92 644.92 644.92 644.92 644.92	3
Magnet Bit sub Monel	2.5 1 1	8 6 1/2	3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	2.5 3 29.96	32.96 644.92 644.92 644.92 644.92	3
Magnet Bit sub Monel	2.5 1 1	8 6 1/2 6 10/27	3 2 3/4	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo	99 93 92 92		2.5 3 29.96 611.96	32.96 644.92 644.92 644.92 644.92	
Magnet Bit sub Monel Dill collars	2.5 1 1	8 6 1/2 6 10/27	3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93 92 92		2.5 3 29.96 611.96	32.96 644.92 644.92 644.92 644.92 644.92	sts
Magnet Bit sub Monel	2.5 1 1	8 6 1/2 6 10/27	3 2 3/4	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo	99 93 92 92		2.5 3 29.96 611.96	32.96 644.92 644.92 644.92 644.92 07.00 Co	
Magnet Bit sub Monel Dill collars  Hours	2.5 1 1 20	8 6 1/2 6 10/27	3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		2.5 3 29.96 611.96 647.42 [tem Drilling Foo	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	sts
Magnet Bit sub Monel Dill collars  Hours	2.5 1 1 20 Drill 8-1/2"t	8 6 1/2 6 10/27	3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		2.5 3 29.96 611.96 647.42 [tem Drilling Foo	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100	2.5 1 1 20 Drill 8-1/2"h Service rig	8 6 1/2 6 10/27	3 2 3/4 Report of	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		2.5 3 29.96 611.96 647.42 [tem Drilling Foo Drilling Day Water	32.96 644.92 644.92 644.92 644.92 644.92 Drilling Co	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500	2.5 1 1 20 Drill 8-1/2"t Service rig Drill F/6.34	8 6 1/2 6 10/27 Final Fraction of the first state o	3 2 3/4 Report of	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92	Total	2.5 3 29.96 611.96 647.42 [Item Drilling Foo Drilling Day Water Drilling Muc	32.96 644.92 644.92 644.92 644.92 644.92 Drilling Co	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1500 to 1700	2.5 1 1 20  Drill 8-1/2"F Service rig Drill F/6,34 Directional	8 6 1/2 6 10/27 Finale F/6,340' 4' to 6,356' survey @ 6,	3 2 3/4 Report of 'to 6,344' ROP = 3' p 311' was 0.	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p	99 93 92 92 98 98 98 98 98	Total	2.5 3 29.96 611.96 647.42 [Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud of	32.96 644.92 644.92 644.92 644.92 7 644.92 644.92 0 644.92	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1100 to 1500 1500 to 1700 1700 to 1930	2.5 1 1 20  Drill 8-1/2" Service rig Drill F/6,34 Directional Circ. & con	8 6 1/2 6 10/27 Final F/6,340' 4' to 6,356' survey @ 6, dition mud 8	3 2 3/4 Report of to 6,344' ROP = 3' p 311' was 0.	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & /il pill @ 18.4	99 93 92 92 98 98 98 98 98 98 99	Total	2.5 3 29.96 611.96 647.42 [Item Drilling Foo Water Drilling Mud Cum. Mud of Mud Loggin	32.96 644.92 644.92 644.92 644.92 Corilling Co	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1500 to 1700 1700 to 1930 1930 to 2000	2.5 1 1 20  Drill 8-1/2"r Service rig Drill F/6,34 Directional Circ. & con Pump 50 bl	8 6 1/2 6 10/27 Final Final Fi	3 2 3/4 Report of to 6,344' ROP = 3' p 311' was 0. build 50 bb go out bit &	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / ol pill @ 18.4 up back sidu	99 93 92 92 92 98 98 98 98 98 99 99 99 99 99 99 99 99	Total	2.5 3 29.96 611.96 647.42 [Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud of	32.96 644.92 644.92 644.92 644.92 0rilling Co	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1500 to 1700 1700 to 1930 1930 to 2000 2000 to 2300	2.5 1 1 20  Drill 8-1/2"r Service rig Drill F/6,34 Directional Circ. & con Pump 50 b	8 6 1/2 6 10/27 Final Final Fi	3 2 3/4 Report of to 6,344' ROP = 3' p 311' was 0. build 50 bb go out bit &	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / ol pill @ 18.4 up back sidu	99 93 92 92 92 98 98 98 98 98 99 99 99 99 99 99 99 99	Total	2.5 3 29.96 611.96 647.42 Item Drilling Foo Drilling Muc Cum. Mud Loggir Cement all Drill Stem T	32.96 644.92 644.92 644.92 644.92 Corilling Corilling Co	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1500 to 1700 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400	2.5 1 1 20 Drill 8-1/2"F Service rig Drill F/6,34 Directional Directional POOH for t Slip & cut of	8 6 1/2 6 10/27 Final F/6,340' 4' to 6,356' 8urvey @ 6, dition mud & bit pill 18.3 pilloit. Note: missirilling line	3 2 3/4 Report of 'to 6,344' ROP = 3' p 311' was 0. build 50 bb build 50 bb build 50 bb build 50 bb	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / I pill @ 18.4 up back sidd the #3 cone	99 93 92 92 92 98 98 98 99 99 99	Total	2.5 3 29.96 611.96 611.96  647.42  Item Drilling Foo Drilling Muc Cum. Mud d. Mud Loggir Cement all Drill Stem T Electric Log	32.96 644.92 644.92 644.92 644.92 Corilling Co	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400 0000 to 0300	2.5 1 1 20  Drill 8-1/2" Fervice rig Drill F/6,34 Directional Circ. & con Pump 50 bl POOH for bl Slip & cut co	8 6 1/2 6 10/27 Final Final Fi	3 2 3/4 Report of 'to 6,344'   ROP = 3' p 311' was 0.   build 50 bb   pg out bit &   essing 1/2 of	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / il pill @ 18.4 up back siduthe #3 cone pits from 17	99 93 92 92 92 92 94 95 95 96 97 98 98 98 98 98 98 98 98 98 98 98 98 98	Total	2.5 3 29.96 611.96 647.42 Item Drilling Foo Drilling Muc Cum. Mud Loggir Cement all Drill Stem T	32.96 644.92 644.92 644.92 644.92 644.92 Cost tage work fCost g Unit strings Fests js es	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1500 to 1700 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400	2.5 1 1 20  Drill 8-1/2" Fervice rig Drill F/6,34 Directional Circ. & con Pump 50 bl POOH for bl Slip & cut co	8 6 1/2 6 10/27 Final Final Fi	3 2 3/4 Report of 'to 6,344'   ROP = 3' p 311' was 0.   build 50 bb   pg out bit &   essing 1/2 of	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / il pill @ 18.4 up back siduthe #3 cone pits from 17	99 93 92 92 92 92 94 95 95 96 97 98 98 98 98 98 98 98 98 98 98 98 98 98	Total	2.5 3 29.96 611.96 611.96  647.42  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	32.96 644.92 644.92 644.92 644.92 644.92 Cost tage work fCost g Unit strings Fests js es	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400 0000 to 0300	2.5 1 1 20  Drill 8-1/2" Fervice rig Drill F/6,34 Directional Circ. & con Pump 50 bl POOH for bl Slip & cut co	8 6 1/2 6 10/27 Final Final Fi	3 2 3/4 Report of 'to 6,344'   ROP = 3' p 311' was 0.   build 50 bb   pg out bit &   essing 1/2 of	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / il pill @ 18.4 up back siduthe #3 cone pits from 17	99 93 92 92 92 92 94 95 95 96 97 98 98 98 98 98 98 98 98 98 98 98 98 98	Total	2.5 3 29.96 611.96 611.96  647.42  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	32.96 644.92 644.92 644.92 644.92 644.92 Cost tage work fCost g Unit strings Fests js es	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1500 to 1700 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400 0000 to 0300	2.5 1 1 20  Drill 8-1/2" Fervice rig Drill F/6,34 Directional Circ. & con Pump 50 bl POOH for bl Slip & cut co	8 6 1/2 6 10/27 Final Final Fi	3 2 3/4 Report of 'to 6,344'   ROP = 3' p 311' was 0.   build 50 bb   pg out bit &   essing 1/2 of	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / il pill @ 18.4 up back siduthe #3 cone pits from 17	99 93 92 92 92 92 94 95 95 96 97 98 98 98 98 98 98 98 98 98 98 98 98 98	Total	2.5 3 29.96 611.96 611.96  647.42  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli	32.96 644.92 644.92 644.92 644.92 644.92 Cost tage work fCost g Unit strings Fests js es	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1500 to 1700 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400 0000 to 0300	2.5 1 1 20 Drill 8-1/2" Service rig Drill F/6,34 Directional Circ. & con Pump 50 bl POOH for t Slip & cut c Wait on Ma M/U 8" mag	Foole F/6,340° 4' to 6,356° survey @ 6,dition mud & bl pill 18.3 poit. Note: misgrilling line gnet & raise gnet & BS wi	Report of  'to 6,344'  ROP = 3' p 311' was 0.  a build 50 bb go out bit & ssing 1/2 of  mud wt. in ith a float &	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & /il pill @ 18.4 up back side the #3 cone pits from 17 RIH to 2600	99 93 92 92 98 98 98 99 99 99 99 99	Total	2.5 3 29.96 611.96 647.42  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud of Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	32.96 644.92 644.92 644.92 644.92 07.111100 Cottage work	sts
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1500 to 1700 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400 0000 to 0300	2.5 1 1 20 Drill 8-1/2" Service rig Drill F/6,34 Directional Circ. & con Pump 50 b POOH for t Slip & cut c Wait on Ma M/U 8" mag	8 6 1/2 6 10/27  Final F	Report of  to 6,344'  ROP = 3' p 311' was 0.  build 50 bb go out bit & ssing 1/2 of  mud wt. in ith a float &	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation  ROP = .88' prer/hr. 2 degree & /al pill @ 18.4 up back side the #3 cone  pits from 17 RIH to 2600  ms up after	99 93 92 92 98 98 99 99 99 99 99 99 99 99 99 99 99	Total	2.5 3 29.96 611.96 611.96  647.42  Item Drilling Foo Drilling Muc Cum. Mud Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	32.96 644.92 644.92 644.92 644.92 644.92 Costage work f Cost g Unit strings Fests gs es /ell Head	Daily
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1500 to 1700 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400 0000 to 0300	2.5 1 1 20  Drill 8-1/2"r Service rig Drill F/6,34 Directional Circ. & con Pump 50 bb POOH for t Slip & cut c Wait on Me M/U 8" mag	Final Figure 1 (1) 10 (	Report of  to 6,344'  ROP = 3' p 311' was 0.  build 50 bb go out bit & esing 1/2 of e mud wt. in ith a float &  s gas at btr ck to norma	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / ol pill @ 18.4 up back sidd the #3 cone pits from 17 RIH to 2600 ms up after	99 93 92 92 92 98 98 99 99 99 99 99 99 99 99 99 99 99	Total	2.5 3 29.96 611.96 647.42  Item Drilling Foo Drilling Muc Cum. Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	32.96 644.92 644.92 644.92 644.92 644.92 Costage work f Cost ty Unit strings Fests tys es /ell Head	\$28,486 \$721,552
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1500 to 1700 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400 0000 to 0300	2.5 1 1 20  Drill 8-1/2"r Service rig Drill F/6,34 Directional Circ. & con Pump 50 bb POOH for t Slip & cut c Wait on Me M/U 8" mag	8 6 1/2 6 10/27  Final F	Report of  to 6,344'  ROP = 3' p 311' was 0.  build 50 bb go out bit & esing 1/2 of e mud wt. in ith a float &  s gas at btr ck to norma	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / ol pill @ 18.4 up back sidd the #3 cone pits from 17 RIH to 2600 ms up after	99 93 92 92 92 98 98 99 99 99 99 99 99 99 99 99 99 99	Total	2.5 3 29.96 611.96 611.96 647.42  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Loggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca	32.96 644.92 644.92 644.92 644.92 644.92 Cottage work Cost g Unit strings est es / Class / Costs Costs tegory	\$28,486 \$721,552
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1500 to 1700 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400 0000 to 0300	2.5 1 1 20  Drill 8-1/2"r Service rig Drill F/6,34 Directional Circ. & con Pump 50 bb POOH for t Slip & cut c Wait on Me M/U 8" mag	Final Figure 1 (1) 10 (	Report of  to 6,344'  ROP = 3' p 311' was 0.  build 50 bb go out bit & esing 1/2 of e mud wt. in ith a float &  s gas at btr ck to norma	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / ol pill @ 18.4 up back sidd the #3 cone pits from 17 RIH to 2600 ms up after	99 93 92 92 92 98 98 99 99 99 99 99 99 99 99 99 99 99	Total	2.5 3 29.96 611.96 611.96 647.42  Item Drilling Foo Drilling Muc Cum. Mud Uoggin Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Drilling Rot	32.96 644.92 644.92 644.92 644.92 644.92 Cottage work Cost g Unit strings est es / Class / Costs Costs tegory	\$28,486 \$721,552 Hrs.
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1500 to 1700 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400 0000 to 0300	2.5 1 1 20  Drill 8-1/2"r Service rig Drill F/6,34 Directional Circ. & con Pump 50 bb POOH for t Slip & cut c Wait on Me M/U 8" mag	Final Figure 1 (1) 10 (	Report of  to 6,344'  ROP = 3' p 311' was 0.  build 50 bb go out bit & esing 1/2 of e mud wt. in ith a float &  s gas at btr ck to norma	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / ol pill @ 18.4 up back sidd the #3 cone pits from 17 RIH to 2600 ms up after	99 93 92 92 92 98 98 99 99 99 99 99 99 99 99 99 99 99	Total	2.5 3 29.96 611.96 611.96 647.42  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Drilling Rot Circ.	32.96 644.92 644.92 644.92 644.92 644.92 Cottage work Cost g Unit strings est es / Class / Costs Costs tegory	\$28,486 \$721,552 Hrs.
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400 0000 to 0300	2.5 1 1 20  Drill 8-1/2"r Service rig Drill F/6,34 Directional Circ. & con Pump 50 bb POOH for t Slip & cut c Wait on Me M/U 8" mag	Final Figure 1 (1) 10 (	Report of  to 6,344'  ROP = 3' p 311' was 0.  build 50 bb go out bit & esing 1/2 of e mud wt. in ith a float &  s gas at btr ck to norma	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / ol pill @ 18.4 up back sidd the #3 cone pits from 17 RIH to 2600 ms up after	99 93 92 92 92 98 98 99 99 99 99 99 99 99 99 99 99 99	Total	2.5 3 29.96 611.96 647.42  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Ioggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Drilling Rot Circ. Trip	32.96 644.92 644.92 644.92 644.92 644.92 Costage work fCost g Unit strings Fests gs es /ell Head	\$28,486 \$721,552 Hrs.
Magnet Bit sub Monel Dill collars  Hours  0600 to 1030 1030 to 1100 1100 to 1500 1700 to 1930 1930 to 2000 2000 to 2300 2300 to 2400 0000 to 0300	2.5 1 1 20  Drill 8-1/2"r Service rig Drill F/6,34 Directional Circ. & con Pump 50 bb POOH for t Slip & cut c Wait on Me M/U 8" mag	Final Figure 1 (1) 10 (	Report of  to 6,344'  ROP = 3' p 311' was 0.  build 50 bb go out bit & esing 1/2 of e mud wt. in ith a float &  s gas at btr ck to norma	4-1/2 reg 41/2 reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo 4-1/2 xo Operation ROP = .88' p er/hr. 2 degree & / ol pill @ 18.4 up back sidd the #3 cone pits from 17 RIH to 2600 ms up after	99 93 92 92 92 98 98 99 99 99 99 99 99 99 99 99 99 99	Total	2.5 3 29.96 611.96 611.96 647.42  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud ( Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Drilling Rot Circ.	32.96 644.92 644.92 644.92 644.92 644.92 Costage work from Cost strings Fests Gest Gest Gest Gest Gest Gest Gest	\$28,486 \$721,552 Hrs.

Date	7/25/09	6-30 Rig	Fron	itier 7	Location Present Op	eration		T 26S - R 30E II NEW BIT #	
Day No.	19	Formation			Lithology				
Depth ft	6,356	Previous De	epth	6,356'	Proposed T	D		6800	
Made	0	ft in		hrs	Drilling rate		#DIV/0!	ft. per hr.	
		•		Mud					
Weight	18.4	Chlorides	192,000	Calcium	6,300	Solids	LGS=4.5	L.C.M.	NONE
VIS. Fun.	54	P.V.	33	Y.P.	39	. Gels	24/38	PH	7.8
	12	Filter Cake		KCL %	NONE	Oil %	3.8	Nitrates	NONE
Water loss		- Filler Cake		Mud Gas	NONE	. 011 76	3.0	·	NONE
		N 4 d				T	0000	El	201
Average		Maximum		Connection		Trip	9800	Flare	20'
		Mud add	litions last	24 nours	Product &	& Quantity			
WOR		DDM		Bit R	ecord	ativo Dotatin	a Hours	654	
WOB		. RPM			Cumula	ative Rotatin	g Hours	654	
Dull Bit No.		Size		Type		Ser. No.		Jets	
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	4	Size	8.5"	Type	MXL-S11	Ser. No.	6052280	Jets	3X32
Depth in	6356	Made		ft in		hrs.	Avg. ft./hr.	#DIV/0!	
	Pur	mps	BOF	Inform	ation	Ho	le Drag ar	d Condition	on Info.
Mud Pump	No. 1	No. 2		pest Casing			Weight		onditions
Make	F 1000	F 1000	Size	Depth	Min. Burst		95		Spots Out
	6"	6"	9 5/8"	2,960'	9265	Pick Up	97	Depth	Over Pull
Liner			9 5/6		1 9205				OverPull
Stroke	10"	10"		Shoe test	A114	Slack Off	93	NONE	
SPM			Equiv. Muc		N/A	Rotating T			
GPM			Date	Last BOP C	Check	Neutral	NONE		
Pump psi			Pressure T	ested To	8,000	Pick Up		Takes W	eight trip In
Slow Pump F	# 1	# 1	BOP Drill 8	k Function	Yes	Slack Off		NONE	1
SPM	40	60	Drill String	Vol. Bbls.	80	Last Date	ВНА		
Pump psi	***************************************		Annular Vo		361	Inspected	07/3/09	Ft. of Fill	NONE
rump psi		II Ctulin at a						Ji t. 01 i iii	NONL
		II String a	ina Botto	m Hole As	ssembly (	Configura	tion		
	<b>Drill Pipe</b>							Cumulat	ive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	ollars
4-1/2"	16.6	G Pipe	3.826	4 1/2" XH	1	1	<b></b>	1	
4-1/2	10.0	OTIPE	3.020	4 1/2 //1					
		<del> </del>				1		1	
						-			
		<u> </u>	L			<u> </u>			
		l ole Assembl							lative feet
Item	Bottom Ho Quantity	O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	Cumu from b	
BIT	Quantity 1	<b>O.D.</b> 8 1/2	I.D.	4-1/2 reg	<b>Lbs./ft</b>	Grade	1	from b	it 
		O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo	99	Grade	Length 1 3	from b	it
BIT	Quantity 1	<b>O.D.</b> 8 1/2	I.D.	4-1/2 reg		Grade	1	from b	it
BIT Bit sub	Quantity 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo	99	Grade	3	from b	it
BIT Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 644.92	it
BIT Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 644.92 644.92	it
BIT Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 644.92 644.92 644.92	it
BIT Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 644.92 644.92 644.92 644.92	it
BIT Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99	Grade	1 3 29.96	32.96 644.92 644.92 644.92 644.92 644.92	it
BIT Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99		1 3 29.96 611.96	32.96 644.92 644.92 644.92 644.92	it
BIT Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo	99 93 92	Grade	1 3 29.96 611.96	32.96 644.92 644.92 644.92 644.92 644.92 644.92	it
BIT Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93 92		1 3 29.96 611.96	32.96 644.92 644.92 644.92 644.92 644.92	it
BIT Bit sub Monel Dill collars	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo	99 93 92		1 3 29.96 611.96	32.96 644.92 644.92 644.92 644.92 644.92 644.92	sts
BIT Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo	99 93 92		1 3 29.96 611.96	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	it
BIT Bit sub Monel Dill collars  Hours	Quantity 1 1 1 20	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92		1 3 29.96 611.96 645.92 [ Item Drilling Foo	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	sts
BIT Bit sub Monel Dill collars  Hours	Quantity  1 1 20  Circ Btms L	O.D. 8 1/2 6 1/2 6 10/27	I.D. 3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92		1 3 29.96 611.96 611.96 Etem Drilling Foo Drilling Day	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	sts
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715	Quantity  1 1 20  Circ Btms L Cont. to RII	O.D. 8 1/2 6 1/2 6 10/27 R up (CBU) @ H to 4,000'	I.D.  3 2 3/4  Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92	Total	1 3 29.96 611.96 611.96 Etem Drilling Foo Drilling Day Water	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	sts
BIT Bit sub Monel Dill collars  Hours	Quantity  1  1  20  Circ Btms L  Cont. to RII  CBU, 275 g	O.D. 8 1/2 6 1/2 6 10/27 Rup (CBU) @ H to 4,000' gpm, 960 psi	I.D.  3 2 3/4  Report of  2,500', max	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92 Its	Total	1 3 29.96 611.96 611.96 Etem Drilling Foo Drilling Day Water Drilling Muc	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	sts
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815	Quantity  1  1  20  Circ Btms U Cont. to RII CBU, 275 g till gas drop	O.D. 8 1/2 6 1/2 6 10/27 FRUIT (CBU) @ H to 4,000' ppm, 960 psi pped out, had	I.D.  3 2 3/4  Report of  2,500', max	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92 Its	Total	1 3 29.96 611.96 645.92 [Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud (Cum. Mud (C	644.92 644.92 644.92 644.92 644.92 644.92 Drilling Co	sts
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815	Circ Btms u Cont. to RII CBU, 275 g till gas drop	O.D. 8 1/2 6 1/2 6 10/27 FRUD (CBU) @ H to 4,000' ppm, 960 psi pped out, had H to 5,500'	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo  Operation  gas 478 un  OK units dive ith trace oil	99 93 92 92 ess its erted to buston shakers	Total ter, circ	1 3 29.96 611.96 611.96 Etem Drilling Foo Drilling Day Water Drilling Muc	644.92 644.92 644.92 644.92 644.92 644.92 Drilling Co	sts
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815	Circ Btms u Cont. to RII CBU, 275 g till gas drop	O.D. 8 1/2 6 1/2 6 10/27 FRUD (CBU) @ H to 4,000' ppm, 960 psi pped out, had H to 5,500'	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo  Operation  gas 478 un  OK units dive ith trace oil	99 93 92 92 ess its erted to buston shakers	Total ter, circ	1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Mud Loggir	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work	sts
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815	Circ Btms L Cont. to RII CBU, 275 g till gas drop Cont. to RII Circ @ 270	O.D. 8 1/2 6 1/2 6 10/27 FRUD (CBU) @ H to 4,000' ppm, 960 psi pped out, had H to 5,500' 9 ppm, 900 p	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w si 1/2 thru E	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo  Operation  a gas 478 un  OK units diverted to	99 93 92 92 its erted to busion shakers o buster w/1	Total ter, circ	1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Mud Loggir Cement all	644.92 644.92 644.92 644.92 644.92 07 Cottage work	sts
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130	Circ Btms C Cont. to RII CBU, 275 c till gas drop Cont. to RII Circ @ 270 circ 18.1 in	O.D.  8 1/2 6 1/2 6 10/27  6 10/27  R  up (CBU) @ H to 4,000' gpm, 960 psi pped out, had H to 5,500' gpm, 900 p & had 14.7	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w  si 1/2 thru Eout, decided	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo  Operation  a gas 478 un  OK units dive with trace oil of the diverted to the RIH to be	99 93 92 92 sts erted to buston shakers o buster w/1 tm to circ ho	Total  ter, circ  OK units,	1 3 29.96 611.96 611.96 645.92 Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Mud Loggir Cement all Drill Stem T	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings ests	sts
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130	Circ Btms C Cont. to RII CBU, 275 c till gas drop Cont. to RII Circ @ 270 circ 18.1 in	O.D.  8 1/2 6 1/2 6 10/27  R  Ip (CBU) @ H to 4,000' gpm, 960 psi oped out, had H to 5,500' 9 gpm, 900 p & had 14.7 on g 20' to btm	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w  si 1/2 thru Eout, decided @ 6,356' &	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo  Operation  (gas 478 un  OK units dive (ith trace oil oil oil oil oil oil oil oil oil oil	99 93 92 92 sts erted to buston shakers o buster w/1 tm to circ ho	Total  ter, circ  OK units, ole out	1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud of Mud Loggir Cement all Drill Stem T Electric Log	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work g Unit strings ests	sts
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130	Circ Btms L Cont. to RII CBU, 275 g till gas drop Cont. to RII Circ @ 270 circ 18.1 in RIH washin Began CBU	O.D.  8 1/2 6 1/2 6 10/27  R  Ip (CBU) @ H to 4,000' gpm, 960 psi oped out, had H to 5,500' gpm, 900 p & had 14.7 o g 20' to btm J 2500 stks i	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w si 1/2 thru E out, decided @ 6,356' & n btms up c	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo  4-1/2 xo  Operation  a gas 478 un  OK units diverted to the trace oil of the trace oi	99 93 92 92 sts erted to buston shakers o buster w/1 tm to circ ho	Total  ter, circ  OK units, ole out	1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Coggir Cement all Drill Stem T Electric Log Bits, Suppli	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings fests is es	sts
BIT Bit sub Monel Dill collars  Hours  6000 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245	Circ Btms L Cont. to RII CBU, 275 c till gas drop Cont. to RII Circ @ 270 circ 18.1 in RIH washin Began CBU had 7K unit	O.D.  8 1/2 6 1/2 6 10/27  R  Ip (CBU) @ H to 4,000' gpm, 960 psi oped out, had H to 5,500' 0 gpm, 900 p & had 14.7 o g 20' to btm J 2500 stks i ts with 20' fla	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w  si 1/2 thru E out, decided @ 6,356' 8 n btms up care, shut we	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  a gas 478 un  OK units dive with trace oil of to RIH to be worked man of 3700 stks, Il in.	99 93 92 98 98 98 99 99 99 99 99 99 99 99 99 99	Total  ter, circ  OK units, ole out	1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud of Mud Loggir Cement all Drill Stem T Electric Log	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings fests is es	sts
BIT Bit sub Monel Dill collars  Hours  6000 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245	Circ Btms L Cont. to RII CBU, 275 g till gas drop Cont. to RII Circ @ 270 circ 18.1 in RIH washin Began CBU had 7K unit	O.D.  8 1/2 6 1/2 6 10/27  R  Ip (CBU) @ H to 4,000' gpm, 960 psi pped out, had H to 5,500' gpm, 900 p & had 14.7 o g 20' to btm J 2500 stks i ts with 20' fla well w/Circ p	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w  si 1/2 thru E out, decided @ 6,356' & n btms up care, shut we its & raising	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  agas 478 un  OK units diverted to to RIH to be worked manuf 3700 stks, ll in.  MW to 18.2	99 93 92 98 98 98 98 98 98 98 98 98 98 98 98 98	Total  ter, circ  OK units, ole out  gain &	1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Coggir Cement all Drill Stem T Electric Log Bits, Suppli	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings fests is es	sts
BIT Bit sub Monel Dill collars  Hours  6600 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245  1245 -1430	Circ Btms L Cont. to RII Circ @ 270 Circ 18.1 in RIH washin Began CBU had 7K unit Monitored v Circ thru ch	O.D.  8 1/2 6 1/2 6 10/27  R  Ip (CBU) @ H to 4,000' gpm, 960 psi pped out, had H to 5,500' gpm, 900 p & had 14.7 o g 20' to btm J 2500 stks i ts with 20' fla well w/Circ p noke w/18.1	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w si 1/2 thru E out, decided @ 6,356' & n btms up core, shut we its & raising MW holding	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  agas 478 un  OK units diverted to to RIH to be worked manuf 3700 stks, ll in.  MW to 18.2	99 93 92 98 98 98 98 98 98 98 98 98 98 98 98 98	Total  ter, circ  OK units, ole out  gain &	1 3 29.96 611.96 611.96  Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings fests is es	sts
BIT Bit sub Monel Dill collars  Hours  6000 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245	Circ Btms L Cont. to RII Circ @ 270 Circ 18.1 in RIH washin Began CBU had 7K unit Monitored v Circ thru ch	O.D.  8 1/2 6 1/2 6 10/27  R  Ip (CBU) @ H to 4,000' gpm, 960 psi pped out, had H to 5,500' gpm, 900 p & had 14.7 o g 20' to btm J 2500 stks i ts with 20' fla well w/Circ p	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w si 1/2 thru E out, decided @ 6,356' & n btms up core, shut we its & raising MW holding	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  agas 478 un  OK units diverted to to RIH to be worked manuf 3700 stks, ll in.  MW to 18.2	99 93 92 98 98 98 98 98 98 98 98 98 98 98 98 98	Total  ter, circ  OK units, ole out  gain &	1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Coggir Cement all Drill Stem T Electric Log Bits, Suppli	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings fests is es	sts
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245  1245 -1430 1430 -1700	Circ Btms L Cont. to RII Cont. to RII Circ @ 270 Circ 18.1 in RIH washin Began CBL had 7K unit Monitored v Circ thru ch	O.D.  8 1/2 6 1/2 6 10/27  R  Up (CBU) @ H to 4,000' gpm, 960 psi pped out, had H to 5,500' 0 gpm, 900 p & had 14.7 o ng 20' to btm J 2500 stks i ts with 20' fla well w/Circ p noke w/18.1 i 18.1 in & 1.	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w si 1/2 thru E out, decided @ 6,356' & in btms up coare, shut we its & raising MW holding 4.7 out	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  a gas 478 un  OK units diverith trace oil of the RIH to be worked many of 3700 stks, and many of 370	99 93 92 93 92  Its  Its  Its  Its  Its  Its  Its  It	Total  Total  OK units, ole out gain &  SICP 0 //2 hole	1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Cum. Mud Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	33.96 644.92 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work  Cost g Unit strings ests gs es /ell Head	sts Daily
BIT Bit sub Monel Dill collars  Hours  6000 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245	Circ Btms u Cont. to RII Circ @ 270 Cont. to RII Circ @ 270 circ 18.1 in RIH washin Began CBU had 7K unit Monitored v Circ thru ch volume had Opened we	O.D.  8 1/2 6 1/2 6 10/27  6 10/27  R  Up (CBU) @ H to 4,000' gpm, 960 psi oped out, had H to 5,500' gpm, 900 p & had 14.7 ng 20' to btm J 2500 stks i ts with 20' fla well w/Circ p noke w/18.1 1 18.1 in & 14 ell, appeared	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w si 1/2 thru E out, decided @ 6,356' & n btms up c are, shut we its & raising MW holding 4.7 out static to sli	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  a gas 478 un  OK units diversith trace oil of the trace oil of th	99 93 92 98 98 its erted to buston shakers o buster w/1 tm to circ ho gnet on btm showed pit Pppg SIDP-5 HP, after 1 1	ter, circ OK units, ble out gain & SICP 0 1/2 hole	1 3 29.96 611.96 611.96  645.92  Item Drilling Foo Drilling Mud Cum. Mud Cuggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily	33.96 644.92 644.92 644.92 644.92 644.92 644.92  Cost g Unit strings ests gs es /ell Head	sts Daily \$51,142
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245  1245 -1430 1430 -1700	Circ Btms u Cont. to RII Circ @ 270 Cont. to RII Circ @ 270 Circ 18.1 in RIH washin Began CBU had 7K unit Monitored wolume had Opened we gas buster rais	O.D.  8 1/2 6 1/2 6 10/27  6 10/27  FRUIT (CBU) @ H to 4,000' gpm, 960 psi oped out, had H to 5,500' gpm, 900 p & had 14.7 ng 20' to btm J 2500 stks i ts with 20' fla well w/Circ p noke w/18.1 d 18.1 in & 14 ell, appeared sing MW to 18.2	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w  si 1/2 thru E out, decided @ 6,356' & n btms up c are, shut we its & raising MW holding 4.7 out static to sli 2 in & out. Gas	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  a gas 478 un  OK units diverted to to RIH to be worked manual of 3700 stks, all in.  MW to 18.2 g constant Blue ght flow, condown to 1500 decents.	99 93 92 95 98 98 98 98 98 98 98 98 98 98 98 98 98	Total  Total  Total  Total  OK units, ole out  gain &  SICP 0  //2 hole  ee thru  as buster	1 3 29.96 611.96 611.96 645.92  Item Drilling Foo Drilling Muc Cum. Mud Cum. Mud Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings ests es /ell Head	sts Daily \$51,142 \$772,694
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245  1245 -1430 1430 -1700  1700 - 2230	Circ Btms u Cont. to RII Circ @ 270 Circ 18.1 in RIH washin Began CBU had 7K unit Monitored w Circ thru ch volume had Opened we gas buster rais and circ. Mud	O.D.  8 1/2 6 1/2 6 10/27  6 10/27  FRUIT (CBU) @ H to 4,000' gpm, 960 psi oped out, had H to 5,500' gpm, 900 p & had 14.7 ng 20' to btm J 2500 stks i ts with 20' fla well w/Circ p noke w/18.1 d 18.1 in & 14 ell, appeared sing MW to 18.2 around 18.4 in &	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w  si 1/2 thru E out, decided @ 6,356' & n btms up c are, shut we its & raising MW holding 4.7 out static to sli 2 in & out. Gas & out vis. 56 in	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  a gas 478 un  OK units diverted to to RIH to be worked manual of 3700 stks, ll in.  MW to 18.2 g constant Bl  ght flow, condown to 1500 of 8 53 out. Shut.	99 93 92 95 98 98 98 98 99 98 98 98 98 98 98 98 98	ter, circ  OK units, ole out  gain &  SICP 0  1/2 hole  e thru  as buster  low check ok	1 3 29.96 611.96 611.96 645.92  Item Drilling Foo Drilling Day Water Drilling Muc Cum. Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings ests gs es /ell Head  Costs tegory	\$51,142 \$772,694 Hrs.
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245  1245 -1430 1430 -1700  1700 - 2230	Circ Btms L 20  Circ Btms L Cont. to RII CBU, 275 g till gas drop Cont. to RII Circ @ 270 circ 18.1 in RIH washin Began CBU had 7K unit Monitored v Circ thru ch volume had Opened we gas buster rais and circ. Mud Set down 15 K	O.D.  8 1/2 6 1/2 6 10/27  6 10/27  R  Ip (CBU) @ H to 4,000' gpm, 960 psi oped out, had H to 5,500' 0 gpm, 900 p & had 14.7 o g 20' to btm J 2500 stks i ts with 20' fla well w/Circ p noke w/18.1 id 18.1 in & 1. ell, appeared sing MW to 18.2 around 18.4 in a K on magnet & F	I.D.  3 2 3/4  Report of  2,500', max  , @ BU w/1 d 20' flare w  si 1/2 thru E out, decided @ 6,356' & n btms up c are, shut we its & raising MW holding 4.7 out static to sli 2 in & out. Gas & out vis. 56 in	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  agas 478 un  OK units diverted to RIH to be worked man of 3700 stks, ll in.  MW to 18.2 g constant Bl  ght flow, cordown to 1500 g & 53 out. Shut set in slips easy	99 93 92 92 sits erted to buston shakers o buster w/1 tm to circ hognet on btm showed pit Ppg SIDP- HP, after 1 1 at. to circ hol units take off ga down pumps fi Flow check at	ter, circ  OK units, ole out gain & SICP 0 //2 hole e thru as buster ow check ok	1 3 29.96 611.96 611.96 645.92  Item Drilling Foo Drilling Muc Cum. Mud Cum. Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Circ. Out ga	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work Cost g Unit strings ests gs es /ell Head  Costs tegory	\$51,142 \$772,694 Hrs.
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245  1245 -1430 1430 -1700  1700 - 2230	Circ Btms L 20  Circ Btms L Cont. to RII CBU, 275 g till gas drop Cont. to RII Circ @ 270 circ 18.1 in RIH washin Began CBL had 7K unit Monitored v Circ thru ch volume had Opened we gas buster rais and circ. Mud Set down 15 K Nose of cone	O.D.  8 1/2 6 1/2 6 10/27  6 10/27  R  Ip (CBU) @ H to 4,000' gpm, 960 psi oped out, had H to 5,500' gpm, 900 p & had 14.7 o g 20' to btm J 2500 stks i ts with 20' fla well w/Circ p noke w/18.1 1 18.1 in & 14 ell, appeared sing MW to 18.2 around 18.4 in & C on magnet & F e on magnet ty	I.D.  3 2 3/4  Report of  2,500', max  7, @ BU w/1  20' flare w  8i 1/2 thru E  10ut, decided  6,356' &  10 holding  MW holding  4.7 out  10 static to slip  2 in & out. Gas  2 out vis. 56 in  10 OOH slow & s  10 with two bear	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  a gas 478 un  OK units diveried to RIH to be worked man of 3700 stks, ll in.  MW to 18.2 g constant Bl  ght flow, cordown to 1500 g & 53 out. Shut set in slips easy ings when put	99 93 92 93 92 sits erted to buston shakers o buster w/1 tm to circ ho gnet on btm showed pit Ppg SIDP- HP, after 1 1 at. to circ hol units take off ga down pumps fi Flow check at lled out of hol	ter, circ  OK units, ole out gain & SICP 0 //2 hole e thru as buster ow check ok a shoe ok. e :)	1 3 29.96 611.96 611.96 645.92 Item Drilling Foo Drilling Muc Cum. Mud Cum. Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Circ. Out ga RIH	33.96 644.92 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work  Cost g Unit strings ests is es /ell Head	\$51,142 \$772,694 Hrs.
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245  1245 -1430 1430 -1700  1700 - 2230	Circ Btms L 20  Circ Btms L Cont. to RII CBU, 275 g till gas drop Cont. to RII Circ @ 270 circ 18.1 in RIH washin Began CBL had 7K unit Monitored v Circ thru ch volume had Opened we gas buster rais and circ. Mud Set down 15 K Nose of cone	O.D.  8 1/2 6 1/2 6 10/27  6 10/27  R  Ip (CBU) @ H to 4,000' gpm, 960 psi oped out, had H to 5,500' gpm, 900 p & had 14.7 o g 20' to btm J 2500 stks i ts with 20' fla well w/Circ p noke w/18.1 1 18.1 in & 14 ell, appeared sing MW to 18.2 around 18.4 in & C on magnet & F e on magnet ty	I.D.  3 2 3/4  Report of  2,500', max  7, @ BU w/1  20' flare w  8i 1/2 thru E  10ut, decided  6,356' &  10 holding  MW holding  4.7 out  10 static to slip  2 in & out. Gas  2 out vis. 56 in  10 OOH slow & s  10 with two bear	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  a gas 478 un  OK units diveried to RIH to be worked man of 3700 stks, ll in.  MW to 18.2 g constant Bl  ght flow, cordown to 1500 g & 53 out. Shut set in slips easy ings when put	99 93 92 93 92 sits erted to buston shakers o buster w/1 tm to circ ho gnet on btm showed pit P. ppg SIDP- HP, after 1 1 at. to circ hol units take off ga down pumps fi Flow check at lled out of hol	ter, circ  OK units, ole out gain & SICP 0 //2 hole e thru as buster ow check ok a shoe ok. e :)	1 3 29.96 611.96 611.96 645.92 Item Drilling Foo Drilling Muc Cum. Mud Cum. Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Circ. Out ga RIH	33.96 644.92 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work  Cost g Unit strings ests is es /ell Head	\$51,142 \$772,694 Hrs.
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245  1245 -1430 1430 -1700  1700 - 2230  2230 to 0230  0230 to 0430	Circ Btms L  Cont. to RII  Cont. to RII  Cont. to RII  Cont. to RII  Circ @ 270  circ 18.1 in  RIH washin  Began CBL  had 7K unit  Monitored v  Circ thru ch  volume had  Opened we  gas buster rais  and circ. Mud  Set down 15 K  Nose of cone  M/U new bit ar	O.D.  8 1/2 6 1/2 6 10/27  6 10/27  R  Ip (CBU) @ H to 4,000' gpm, 960 psi pped out, had H to 5,500' gpm, 900 p & had 14.7 o g 20' to btm J 2500 stks i ts with 20' fla well w/Circ p noke w/18.1 d 18.1 in & 1- ell, appeared sing MW to 18.2 around 18.4 in & K on magnet & F e on magnet w nd RIH to shoe	I.D.  3 2 3/4  Report of  2,500', max  7, @ BU w/1  20' flare w  8i 1/2 thru E  10ut, decided  6,356' &  10 holding  MW holding  4.7 out  10 static to slip  2 in & out. Gas  2 out vis. 56 in  10 OOH slow & s  10 with two bear	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  Operation  a gas 478 un  OK units diveried to RIH to be worked man of 3700 stks, ll in.  MW to 18.2 g constant Bl  ght flow, cordown to 1500 g & 53 out. Shut set in slips easy ings when put	99 93 92 93 92 sits erted to buston shakers o buster w/1 tm to circ ho gnet on btm showed pit P. ppg SIDP- HP, after 1 1 at. to circ hol units take off ga down pumps fi Flow check at lled out of hol	ter, circ  OK units, ole out gain & SICP 0 //2 hole e thru as buster ow check ok a shoe ok. e :)	1 3 29.96 611.96 611.96 645.92  Item Drilling Foo Drilling Muc Cum. Mud Cum. Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W  Other Cum. Daily Total Well Time Ca Circ. Out ga RIH Csg. & Cmt	33.96 644.92 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work  Cost g Unit strings ests is es /ell Head	\$51,142 \$772,694 Hrs.
BIT Bit sub Monel Dill collars  Hours  0600 - 0630 0630 - 0715 0715 - 0815  0815 - 0900 0900 - 1130  1130 - 1200 1200 - 1245  1245 -1430 1430 -1700  1700 - 2230	Circ Btms L  Cont. to RII  Cont. to RII  Cont. to RII  Cont. to RII  Circ @ 270  circ 18.1 in  RIH washin  Began CBL  had 7K unit  Monitored v  Circ thru ch  volume had  Opened we  gas buster rais  and circ. Mud  Set down 15 K  Nose of cone  M/U new bit ar  RIH to 4,000° of	O.D.  8 1/2 6 1/2 6 10/27  6 10/27  R  Ip (CBU) @ H to 4,000' gpm, 960 psi pped out, had H to 5,500' gpm, 900 p & had 14.7 o g 20' to btm J 2500 stks i ts with 20' fla well w/Circ p noke w/18.1 d 18.1 in & 1- ell, appeared sing MW to 18.2 around 18.4 in & K on magnet & F e on magnet w nd RIH to shoe	I.D.  3 2 3/4  Report of  2,500', max  3, @ BU w/1 d 20' flare w  si 1/2 thru E out, decided @ 6,356' & n btms up c are, shut we its & raising MW holding 4.7 out static to slig 2 in & out. Gas & out vis. 56 in POOH slow & s with two bear & circ btms up	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo 4-1/2 xo  4-1/2 xo  Operation  a gas 478 un  OK units diversed to the content of the co	99 93 92 93 92  Its  Its  Its  O buster w/1  Itm to circ ho  gnet on btm showed pit  Pppg SIDP-3  HP, after 1 1  It. to circ hol units take off gadown pumps fit Flow check at liled out of hol nits mud wt. ou	Total  Total  Total  Total  Total  OK units, ole out  gain &  SICP 0  //2 hole  te thru  as buster  ow check ok  shoe ok.  e :)  t 18.2+ ppg	1 3 29.96 611.96 611.96 645.92 Item Drilling Foo Drilling Muc Cum. Mud Cum. Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Circ. Out ga RIH	33.96 644.92 644.92 644.92 644.92 644.92 644.92 Orilling Co tage work  Cost g Unit strings ests gs es /ell Head	\$51,142 \$772,694 Hrs.

Date   172,809   Rig	Well Name	Two Fer 26	-30			Location			Г 26S - R 30	
Depth			. •				eration		Orilling @ 6,3	385'
Made   19							.D		6800	
Weight   18,4			•					1.47		
VIS. Fun.   52			,	<del></del>						
Work   Present Bit #   #   #   #   #   #   #   #   #   #	Weight									
Average										
Average	Water loss	10.8	Filter Cake	2		NONE	. OII %	NONE	Nitrates	NONE
Mud additions last 24 hours	Average	70	Maximum	1190			Trip	1190	Flare	NONE
WOB				litions last					•	
WOB	<del></del>								, , ,	
WOB					Bit R	ecord				
Depth   Unit   Made   Fi	WOB	38/40	RPM	60/85			ative Rotatin	ng Hours	674	_
Present Bit #   4   Size   8.5"   Type   MXL-S11   Ser. No.   6052280   Jest   3X32							•			
Depth   No. 2				0 E"		MAVI C11	•		,	2V22
Nucl Pump							•			3/32
Mud Pump   No. 1   No. 2   Deepest Casing Set	Берити		•							on Info.
Make	Mud Pump		_							
Stroke   10"   10"   Shoe test   Slack Off   118K   NONE	-	F 1000		Size	Depth	Min. Burst		123K		
SPM   280				9 5/8"		9265				Over Pull
Date Last BOP Check   Neutral   Ne			10"						NONE	
Pump psi   1360						hook		orque		
Slow Pump F				4					Takes W	eight trip In
SPM			#1							
Drill   String and Bottom Hole Assembly Configuration   Cumulative ft. from top of collars	•							BHA		
Size   Weight   Grade   Tube I.D.   T.J.   Type   T.J.   I.D.   T.J.   O.D.   Length   top of collars	Pump psi	575	750	Annular Vo	i. Bbls.	363	Inspected	07/3/09	Ft. of Fill	NONE
Size   Weight   Grade   Tube I.D.   T.J.   Type   T.J.   I.D.   T.J.   O.D.   Length   top of collars	. ,	Dri	II String a	nd Botto	m Hole As	sembly (	onfigura	tion	•	
Bottom Hole Assembly   Item   Quantity   O.D.   I.D.   Thread   Lbs./ft   Grade   Length   from bit			•			-	_		Cumula	tive ft. from
Bottom Hole Assembly   Item   Quantity   O.D.   I.D.   Thread   Lbs./ft   Grade   Length   from bit	Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of co	ollars
Item   Quantity   S.D.   I.D.   Thread   Lbs./ft   Grade   Length   from bit	4-1/2"	16.6	G Pipe	3.826	4 1/2" XH					
Item   Quantity   S.D.   I.D.   Thread   Lbs./ft   Grade   Length   from bit		<u> </u>								
Item   Quantity   S.D.   I.D.   Thread   Lbs./ft   Grade   Length   from bit	<del></del>	Bottom Ho	le Assembl	L	<u> </u>	<u>L., , , , , , , , , , , , , , , , , , , </u>	L	<u> </u>	Cumu	lative feet
Bit	Item				Thread	Lbs./ft	Grade	Length		
Monel   1   6 10/27   2 3/4   4-1/2 xo   93   29.96   32.96		1	8 1/2				<b>L</b>	1	<u> </u>	
Dill collars   20										
G44,92   G			6 10/27	2 3/4						
G44.92   G	Dill collars	20		ļ	4-1/2 XO	92		011.90		
Report of Operations									1	
Report of Operations		ļ								
Report of Operations   Item   Daily	<del></del>	ļ	<u> </u>	<u> </u>			Takal	045.00	644.92	
Hours	-			l Papart of	Operation		Liotai		rilling Co	oto
Drilling Footage	Hours	ı		report or	Operation	13		1	Milling Co	
Drilling Daywork   O715 RIH from 4,000' to 5,445'   O715 - 0815 CBU @ 225 gpm, 930 psi, max gas 575 units, 18.4 MW in & out @ BU   Water   O815 - 0845 RIH from 5,445' washing 30' to btm, 6,356', no problems   O716 - 0845 CBU @ 250 gpm, 1120 psi, max gas 1200 units, 18.4 MW in & out @ BU   O716 Cum. Mud Cost   O745 to 1700 Drill 8 1/2" Hole f/ 6,356' to 6,364'. ROP = 1.1' per/hr.   Mud Logging Unit   O747		Fin. CBU @	2 4,000', ma	x gas at BU	562 units	<del></del>	<del>.</del>		tage	Juny
0815 - 0845         RIH from 5,445' washing 30' to btm, 6,356', no problems         Drilling Mud           0845 - 0945         CBU @ 250 gpm, 1120 psi, max gas 1200 units, 18.4 MW in & out @ BU         Cum. Mud Cost           0945 to 1700         Drill 8 1/2" Hole f/ 6,356' to 6,364'. ROP = 1.1' per/hr.         Mud Logging Unit           1700 to 1730         Service rig         Cement all strings           1730 to 0600         Drill F/6,364' to 6,385' ROP = 1.75' per/ft         Drill Stem Tests           Electric Logs         Bits, Supplies           Casing & Well Head         Casing & Well Head           Other           Cum. Daily Costs         \$25,435           Total Well Costs         \$798,129           Time Category         Hrs.           Drig Rotating         19,75           Rig service         0,5           RIH         1,25           Circ. Out gas         2,5           Total bit hrs. 19,75         Unscheduled Events	0630 - 0715	RIH from 4,	,000' to 5,44	5'					work	
0845 - 0945 CBU @ 250 gpm, 1120 psi, max gas 1200 units, 18.4 MW in & out @ BU         0945 to 1700 Drill 8 1/2" Hole f/ 6,356' to 6,364'. ROP = 1.1' per/hr.         Mud Logging Unit         Cement all strings         Drill Stem Tests         Electric Logs         NOTE: Drilling @ 06:00 @ 10' per/hr         Bits, Supplies         Casing & Well Head         Other         Cum. Daily Costs       \$25,435         Total Well Costs       \$798,129         Time Category       Hrs.         Drig Rotating       19.75         Rig service       0.5         RIH       1.25         Circ. Out gas       2.5         Total bit hrs. 19.75							@ BU	-1		
0945 to 1700 Drill 8 1/2" Hole f/ 6,356' to 6,364'. ROP = 1.1' per/hr.       Mud Logging Unit         1700 to 1730 Service rig       Cement all strings         1730 to 0600 Drill F/6,364' to 6,385' ROP = 1.75' per/ft       Drill Stem Tests         Electric Logs       Bits, Supplies         Casing & Well Head       Other         Cum. Daily Costs       \$25,435         Total Well Costs       \$798,129         Time Category       Hrs.         Drlg Rotating       19.75         RIH       1.25         Circ. Out gas       2.5         Total bit hrs. 19.75       Unscheduled Events							4.6.5''			
1700 to 1730   Service rig							nr @ RO			<del></del>
1730 to 0600   Drill F/6,364' to 6,385' ROP = 1.75' per/ft   Electric Logs			1 1016 17 0,000	7 10 0,304	101 - 1,1	реглії.				<del></del>
Electric Logs   NOTE: Drilling @ 06:00 @ 10' per/hr   Bits, Supplies   Casing & Well Head			4' to 6,385'	ROP = 1.75	per/ft					<del>,</del>
Casing & Well Head										
Other   Cum. Daily Costs   \$25,435		NOTE: Dril	ling @ 06:0	0 @ 10' peı	r/hr					
Cum. Daily Costs         \$25,435           Total Well Costs         \$798,129           Time Category         Hrs.           Drlg Rotating         19.75           Rig service         0.5           RIH         1.25           Circ. Out gas         2.5           Total bit hrs. 19.75         Unscheduled Events		<u> </u>			<del></del>	<del>,</del>	<del> </del>	Casing & W	ell Head	<del></del>
Cum. Daily Costs         \$25,435           Total Well Costs         \$798,129           Time Category         Hrs.           Drlg Rotating         19.75           Rig service         0.5           RIH         1.25           Circ. Out gas         2.5           Total bit hrs. 19.75         Unscheduled Events	<del></del>			<del>.</del>	<del></del>	<del> </del>	<del></del>	4		<del></del>
Cum. Daily Costs         \$25,435           Total Well Costs         \$798,129           Time Category         Hrs.           Drlg Rotating         19.75           Rig service         0.5           RIH         1.25           Circ. Out gas         2.5           Total bit hrs. 19.75         Unscheduled Events			<del></del>				<del></del>	Other		
Total Well Costs   \$798,129		<del> </del>				<del>:</del>			Costs	\$25,435
Time Category         Hrs.           Drlg Rotating         19.75           Rig service         0.5           RIH         1.25           Circ. Out gas         2.5           Total bit hrs. 19.75         Unscheduled Events										
Rig service										
RIH   1.25   Circ. Out gas   2.5   Total bit hrs. 19.75   Unscheduled Events								Drig Rotatin		
Circ. Out gas 2.5 Total bit hrs. 19.75 Unscheduled Events	-									
Total bit hrs. 19.75 Unscheduled Events										
								Cira C		
		Total hit he	s. 19.75				·			2.5

	Two Fer 26	3-30			Location		SEC 26 -	T 26S - R 30	E
Date	7/27/09	Rig		ntier 7	Present Op	eration	Drill	ing ahead @	6,494'
Day No.	21	Formation	Clast	ic 24 ?	Lithology				
Depth ft	6,494'	Previous De	•	6,385'	Proposed T			6800	
Made	109	ft in	23.5	•	Drilling rate	of	4.64	ft. per hr.	
Weight	18.6	Chlorides	192,000	<b>Mud</b> Calcium	6,000	Solids	LGS = 3	L.C.M.	NONE
VIS. Fun.	53	P.V.	33	Y.P.	40	Gels	28/36	PH	8
Water loss	10	Filter Cake		KCL %	NONE	Oil %	NONE	Nitrates	NONE
Water 1033		, mer cane		Mud Gas	HONE	. 011 /0		-	
Average	20	Maximum	54 litions last	Connection		Trip k Quantity	NONE	Flare	NONE
· · · · · · · · · · · · · · · · · · ·			itions last						
<del></del>				Bit R	ecord				
WOB	36/40	RPM	65/80		Cumula	ative Rotatin	g Hours	677.5	_
Dull Bit No.	***	Size		Туре		Ser. No.		Jets	
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #		Size	8.5"	Type	MXL-S11	Ser. No.	6052280	_ Jets	3X32
Depth in	6,356	Made	138	ft in	43.25	hrs.	Avg. ft./hr.	3.19	
	Pur	mps	BOF	o inform	ation	Ho	le Drag ar	nd Conditi	on Info.
Mud Pump	No. 1	No. 2	Dee	pest Casing			y Weight		Conditions
Make	F 1000	F 1000	Size	Depth	Min. Burst		126 k	Tight	Spots Out
Liner	6"	6"	9 5/8"	2,960'	9265	Pick Up	135 k	Depth	Over Pull
Stroke	10"	10"		Shoe test		Slack Off	116 k	NONE	
SPM	80		Equiv. Mud		NONE	Rotating T	orque		
GPM	272		Date	Last BOP C	heck	Neutral	NONE		
Pump psi	1330	F	Pressure T		8,000	Pick Up		Takes W	/eight trip In
Slow Pump I		#1	BOP Drill 8	k Function	Yes	Slack Off		NONE	
SPM	37	47	Drill String		85	Last Date	BHA		
Pump psi	475	575	Annular Vo	l Bbls	363	Inspected	07/3/09	Ft. of Fill	NONE
i dilip pai		II String a						<b>J.</b>	
		_	illa Bollo	III HOIC A	sacilibly (	Jonnigura	tioii		
	Drill Pipe								tive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of c	ollars
4-1/2"	16.6	G Pipe	3.826	4 1/2" XH	\				
					_				
	Bottom Ho	le Assembl	у					Cumu	lative feet
Item	Bottom Ho Quantity	ole Assembl O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	Cumu from I	
Item Bit			•	Thread 4-1/2 reg	L <b>bs./ft</b>	Grade	1 1		
	Quantity	O.D.	•			Grade	3		oit
Bit	Quantity 1	O.D. 8 1/2	i.D.	4-1/2 reg		Grade	1 1	from I	oit 3
Bit Bit sub	Quantity 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo	99	Grade	3	from I	Dit
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93	Grade	1 3 29.96	from I	Dit 3
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93	Grade	1 3 29.96	32.96 644.92	Dit 3 3
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93	Grade	1 3 29.96	32.96 644.92 644.92	Dit
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93	Grade	1 3 29.96	32.96 644.92 644.92 644.92	oit
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93	Grade	1 3 29.96	32.96 644.92 644.92 644.92 644.92	oit 3 3 3
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2	I.D. 3	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93		1 3 29.96 611.96	32.96 644.92 644.92 644.92 644.92 644.92	oit 3 3 3
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	1.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo	99 93 92	Grade	1 3 29.96 611.96	32.96 644.92 644.92 644.92 644.92	oit
Bit Bit sub Monel Dill collars	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	1.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo	99 93 92		1 3 29.96 611.96	32.96 644.92 644.92 644.92 644.92 644.92	oit
Bit Bit sub Monel	Quantity 1 1 1	O.D. 8 1/2 6 1/2 6 10/27	1.D. 3 2 3/4	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo	99 93 92		1 3 29.96 611.96	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	oit
Bit Bit sub Monel Dill collars  Hours	Quantity 1 1 1 20	O.D. 8 1/2 6 1/2 6 10/27	1.D. 3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 611.96 645.92 [tem Drilling Foo	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	oit
Bit Bit sub Monel Dill collars  Hours	Quantity 1 1 1 20  Drill 8-1/2"	O.D. 8 1/2 6 1/2 6 10/27	1.D. 3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 611.96 645.92 [Item Drilling Foo	32.96 644.92 644.92 644.92 644.92 644.92 Orilling Co	oit
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service	O.D. 8 1/2 6 1/2 6 10/27 Final Properties of the control of th	3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 611.96 645.92 Letem Drilling Foo Drilling Day Water	32.96 644.92 644.92 644.92 644.92 644.92 644.92 644.92 brilling Co	oit
Bit Bit sub Monel Dill collars  Hours	Quantity  1 1 20  Drill 8-1/2" Rig service	O.D. 8 1/2 6 1/2 6 10/27 Final Properties of the control of th	3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 611.96 645.92 [ Item Drilling Foo Drilling Day Water Drilling Muc	32.96 644.92 644.92 644.92 644.92 644.92 07 644.92	oit
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service	O.D. 8 1/2 6 1/2 6 10/27 Final Properties of the control of th	3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 611.96 645.92 Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud	32.96 644.92 644.92 644.92 644.92 644.92 7 644.92 644.92 644.92	oit
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service	O.D. 8 1/2 6 1/2 6 10/27 Final Properties of the control of th	3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 611.96 645.92 Item Drilling Foo Drilling Muc Cum. Mud Mud Loggir	32.96 644.92 644.92 644.92 644.92 644.92 Cost	oit
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service	O.D. 8 1/2 6 1/2 6 10/27 Final Properties of the control of th	3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 611.96 645.92 Item Drilling Foo Drilling Mud Cum. Mud Mud Loggir Cement all	32.96 644.92 644.92 644.92 644.92 644.92 Cost tage work	oit
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service	O.D. 8 1/2 6 1/2 6 10/27 Final Properties of the control of th	3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 611.96 645.92 Item Drilling Foo Drilling Muc Cum. Mud Loggir Cement all Drill Stem 1	32.96 644.92 644.92 644.92 644.92 644.92 Cost tage work Cost to Unit strings	oit
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service	O.D. 8 1/2 6 1/2 6 10/27 Final Properties of the control of th	3 2 3/4 Report of	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation	99 93 92 92		1 3 29.96 611.96 645.92 Item Drilling Foo Drilling Muc Cum. Mud Mud Loggir Cement all Drill Stem 1 Electric Log	32.96 644.92 644.92 644.92 644.92 644.92 644.92 644.92 644.92	oit
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D. 8 1/2 6 1/2 6 10/27 F hole f/6,385'	I.D.  3 2 3/4  Report of  to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 611.96 645.92 Item Drilling Foo Drilling Day Water Drilling Mud Loggir Cement all Drill Stem Telectric Log Bits, Suppli	32.96 644.92 644.92 644.92 644.92 644.92 644.92 Cost tage work Cost g Unit strings Fests js es	oit
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D. 8 1/2 6 1/2 6 10/27 Final Properties of the control of th	I.D.  3 2 3/4  Report of  to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 645.92 Item Drilling Foo Drilling Muc Cum. Mud Mud Loggir Cement all Drill Stem 1 Electric Log	32.96 644.92 644.92 644.92 644.92 644.92 644.92 Cost tage work Cost g Unit strings Fests js es	oit
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D. 8 1/2 6 1/2 6 10/27 F hole f/6,385'	I.D.  3 2 3/4  Report of  to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 611.96 645.92 Item Drilling Foo Drilling Day Water Drilling Mud Loggir Cement all Drill Stem Telectric Log Bits, Suppli	32.96 644.92 644.92 644.92 644.92 644.92 644.92 Cost tage work Cost g Unit strings Fests js es	oit
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D. 8 1/2 6 1/2 6 10/27 F hole f/6,385'	I.D.  3 2 3/4  Report of  to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 645.92 Item Drilling Poo Water Drilling Mud Loggir Cement all Drill Stem T Electric Log Bits, Suppli Casing & W	32.96 644.92 644.92 644.92 644.92 644.92 644.92 Cost tage work Cost g Unit strings Fests js es	oit
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D. 8 1/2 6 1/2 6 10/27 F hole f/6,385'	I.D.  3 2 3/4  Report of  to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 645.92 Item Drilling Foo Drilling Muc Cum. Mud Mud Loggir Cement all Drill Stem Electric Log Bits, Suppli Casing & W	32.96 644.92 644.92 644.92 644.92 644.92 644.92 Cost tage work d Cost og Unit strings rests ys es /ell Head	Dit Bridge Bride Bridge Bridge Bridge Bridge Bridge Bridge Bridge Bridge Bridge
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D. 8 1/2 6 1/2 6 10/27 F hole f/6,385'	I.D.  3 2 3/4  Report of  to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 611.96 645.92 Item Drilling Foo Drilling Mud Cum. Mud Loggir Cement all Drill Stem Telectric Log Bits, Suppli Casing & W	32.96 644.92 644.92 644.92 644.92 644.92 644.92 Cost age work function of the strings rests age work function of the strings rests age work function of the strings rests age work function of the strings rests age work function of the strings rests age work function of the strings rests age work function of the strings rests age work function of the strings rests age work function of the strings rests age work function of the strings rests age work function of the strings rests age work function of the strings rests age work function of the strings rests age work function of the strings rests age work function of the strings rests age with the strings rests age	Daily  \$46,428
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D. 8 1/2 6 1/2 6 10/27 F hole f/6,385'	I.D.  3 2 3/4  Report of  to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 645.92 Item Drilling Foo Drilling Muc Cum. Mud Loggir Cement all Drill Stem Telectric Log Bits, Suppli Casing & W	32.96 644.92 644.92 644.92 644.92 644.92 644.92 644.92 Cost tage work function of the strings rests grade strings grade strings rests grade strings rests grade strings grade stri	Dit Bridge Bride Bridge Bridge Bridge Bridge Bridge Bridge Bridge Bridge Bridge
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D. 8 1/2 6 1/2 6 10/27 F hole f/6,385'	I.D.  3 2 3/4  Report of  to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 611.96 645.92 Item Drilling Foo Drilling Mud Cum. Mud Loggir Cement all Drill Stem Telectric Log Bits, Suppli Casing & W	32.96 644.92 644.92 644.92 644.92 644.92 644.92 644.92 Cost tage work function of the strings rests grade strings grade strings rests grade strings rests grade strings grade stri	Daily  \$46,428
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D. 8 1/2 6 1/2 6 10/27 F hole f/6,385'	I.D.  3 2 3/4  Report of  to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 645.92 Item Drilling Foo Drilling Muc Cum. Mud Loggir Cement all Drill Stem Telectric Log Bits, Suppli Casing & W	32.96 644.92 644.92 644.92 644.92 644.92 644.92 644.92 Cost tage work from to the strings rests grade estable	S46,428 \$844,557 Hrs.
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D. 8 1/2 6 1/2 6 10/27 F hole f/6,385'	I.D.  3 2 3/4  Report of  to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 611.96 645.92 Item Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Loggir Cement all Drill Stem Ti Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Drlg.(rotatir	from I	\$46,428 \$844,557 Hrs.
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D. 8 1/2 6 1/2 6 10/27 F hole f/6,385'	I.D.  3 2 3/4  Report of  to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 645.92 Item Drilling Foo Drilling Day Water Drilling Mud Loggir Cement all Drill Stem Tielectric Log Bits, Suppli Casing & W	from I	\$46,428 \$844,557 Hrs.
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D.  8 1/2 6 1/2 6 10/27  Fhole f/6,385' " to 6,494'	3 2 3/4 Report of to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 611.96 645.92 Item Drilling Foo Drilling Foo Drilling Day Water Drilling Mud Cum. Mud Mud Loggir Cement all Drill Stem Ti Electric Log Bits, Suppli Casing & W Other Cum. Daily Total Well Time Ca Drlg, (rotatir Rig service Csg. & Cm	from I	S46,428 \$844,557 Hrs.
Bit Bit sub Monel Dill collars  Hours  0600 to 1415 1415 to 1445	Quantity  1 1 20  Drill 8-1/2" Rig service Drill f/6,437	O.D. 8 1/2 6 1/2 6 10/27 F hole f/6,385'	3 2 3/4 Report of to 6,437'.	4-1/2 reg 41/2reg/xo 4-1/2 xo 4-1/2 xo Operation ROP = 6.35'	99 93 92 92		1 3 29.96 611.96 645.92 Item Drilling Foo Drilling Day Water Drilling Mud Loggir Cement all Drill Stem Tielectric Log Bits, Suppli Casing & W	from I  32.96 644.92 644.92 644.92 644.92 644.92 Cost age work fCost age work fCo	Daily  \$46,428 \$844,557

Well Name									
	Two Fer 26	<u>-30</u>			Location	***************************************		26S - R 30	
Date	7/28/09	Rig		itier 7	Present Op	eration	L	<u>ogging w</u>	ELL
Day No.	22	Formation	Clas	tic 24	Lithology				
Depth ft	6,508	Previous De	epth	6,494'	Proposed T	D		6800	
Made	14	ft in	9	hrs	Drilling rate	of	1.56	ft. per hr.	
				Mud					
Weight	18.6	Chlorides	192,000	Calcium	6,000	Solids	LGS= 0.9	L.C.M.	NONE
VIS. Fun.	50	P.V.	33	Y.P.	36	Gels	21/34	PH	7.9
Water loss	10	Filter Cake		KCL %	NONE	Oil %		Nitrates	NONE
77410. 1000		, , ,,,,,		Mud Gas		•			
Average		Maximum		Connection		Trip		Flare	
			litions last	24 hours	Product 8	Quantity			
		<del> </del>				<u>.</u>			
				Bit R	ecord				
WOB	38/40	RPM	70/75			ative Rotatir		677.5	
Dull Bit No.	4	Size	8.5"	Type	MXL-S11	Ser. No.	_6052280_	Jets	3X32
Depth Out	6508	Made	152	ft in	52.25	hrs. Ft/hr		Dull Gr.	7/6/IN
Present Bit #	4	Size	8.5"	Type	MXL-S11	Ser. No.	_6052280	Jets	3X32
Depth in	6,356	Made	152	ft in	52.25	hrs.	Avg. ft./hr.	2.91	
	Pur	mps	BOF	P Inform	ation		le Drag an	d Conditi	on Info.
Mud Pump	No. 1	No. 2	Dee Dee	pest Casing	Set	String	g Weight	Trip C	onditions
Make	F 1000	F 1000	Size	Depth	Min. Burst		126K	Tight	Spots Out
Liner	6"	6"	9 5/8"	2,960'	9265	Pick Up	135K	Depth	Over Pull
Stroke	10"	10"		Shoe test		Slack Off	116K	NONE	1
SPM		.,	Equiv. Muc		NONE	Rotating T			
GPM				Last BOP C		Neutral	NONE		
Pump psi			Pressure T		8.000	Pick Up		Takes W	eight trip In
Slow Pump I	F #1	#1	BOP Drill 8		Yes	Slack Off		NONE	I
•	37	47	Drill String		85	Last Date		INOINE	
SPM		<del> </del>	1			1	· ·	m. 6 m.	11015
Pump psi	475	575	Annular Vo		363	Inspected	07/3/09	Ft. of Fill	NONE
	Dri	II String a	ınd Botto	m Hole A	ssembly (	Configura	tion		
	Drill Pipe							Cumula	tive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of c	ollars
4-1/2"	16.6	G Pipe	3.826	4 1/2" XH		t	1 1	·	
					<u> </u>				
	1	<del> </del>	<del> </del>						
	Bottom Ho	le Assembl	V			•		Cumu	lative feet
ltem	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from b	oit
Bit	1 1	8 1/2	1	4-1/2 reg	99	1	1 1 I		
Bit sub	1	6 1/2	3	41/2reg/xo			3	3	
Monel	1 1	6 10/27	2 3/4	4-1/2 xo	93	<b></b>	29.96	32.96	
14101101		0 .0/=:				•			
Dill collars	20	I .		4-1/2 xo		<b></b>		644.92	
Dill collars	20			4-1/2 xo	92		611.96		
Dill collars	20			4-1/2 xo				644.92	
Dill collars	20			4-1/2 xo				644.92 644.92	
Dill collars	20			4-1/2 xo				644.92 644.92	
Dill collars	20			4-1/2 xo				644.92 644.92 644.92 644.92	
Dill collars	20			4-1/2 xo		Total	611.96	644.92 644.92	
Dill collars	20				92	Total	611.96	644.92 644.92 644.92 644.92	
	20	F	Report of	4-1/2 xo Operation	92	Total	611.96 645.92	644.92 644.92 644.92 644.92	ests
Dill collars  Hours	20	F	Report of		92	Total	611.96 645.92 Item	644.92 644.92 644.92 644.92 670 644.92	
Hours				Operation	92 		611.96 645.92 Ltem Drilling Fool	644.92 644.92 644.92 644.92 07 Filling Co	ests
Hours 0600 - 1500	Drilled 8 1/2	" hole f/6,494	to 6,508' ME	Operation  O (TD) Proj TV	92 	1.5'/hr	611.96  645.92  Item Drilling Fool	644.92 644.92 644.92 644.92 07 Filling Co	ests
Hours 0600 - 1500 1500 - 1615	Drilled 8 1/2'	" hole f/6,494' tms up & cle	to 6,508' ME an at the sh	Operation  (TD) Proj Tv akers, 280 g	92 92 15 16,499' ave apm, 1290 pm	1.5'/hr	645.92  Item Drilling Fool Drilling Day Water	644.92 644.92 644.92 644.92 644.92 Orilling Co	ests
Hours 0600 - 1500 1500 - 1615 1615 - 1630	Drilled 8 1/2' Circ 1.5x bt Monitored v	" hole f/6,494' tms up & cle well, no flow	to 6,508' ME an at the sh , pumped 50	Operation  O(TD) Proj TV akers, 280 co bbl 18.9 pp	92 10 6,499' ave 10 g dry job	1.5'/hr si	645.92  Item Drilling Foo' Drilling Day Water Drilling Mud	644.92 644.92 644.92 644.92 644.92 Orilling Co	ests
Hours  0600 - 1500 1500 - 1615 1615 - 1630 1630 - 2100	Drilled 8 1/2' Circ 1.5x bt Monitored v	" hole f/6,494' tms up & cle well, no flow og well with \	to 6,508' ME an at the sh pumped 50 Weatherford	Operation  O(TD) Proj TV akers, 280 g bbl 18.9 pp	92 D 6,499' ave ppm, 1290 p: g dry job nozzle plugo	1.5'/hr si	645.92  Item Drilling Fool Drilling Mud Cum. Mud (Cum. M	644.92 644.92 644.92 644.92 674.92 674.92 674.92 674.92	ests
Hours  0600 - 1500 1500 - 1615 1615 - 1630 1630 - 2100 2100 to 2230	Drilled 8 1/2' Circ 1.5x bt Monitored v POOH to ic	" hole f/6,494' tms up & cle well, no flow, og well with \ I, R/U & M/U	to 6,508' ME an at the sh pumped 50 Weatherford	Operation  O(TD) Proj TV akers, 280 g bbl 18.9 pp l. Note: one d wire line to	92 D 6,499' ave ppm, 1290 pr g dry job nozzle pluggools.	1.5'/hr si ged on bit	645.92  Item Drilling Foot Water Drilling Mud Cum. Mud ( Mud Loggin	644.92 644.92 644.92 644.92 674.92 674.92 674.92 674.92 674.92 674.92 674.92 674.92 674.92	ests
Hours  0600 - 1500 1500 - 1615 1615 - 1630 1630 - 2100 2100 to 2230	Drilled 8 1/2' Girc 1.5x bt Monitored v POOH to Ico Hold PJSM RiH with SO	" hole f/6,494' tms up & cle well, no flow, og well with \ I, R/U & M/U	to 6,508' ME an at the sh pumped 50 Weatherford Weatherford OGS ON BO	Operation  O(TD) Proj TV akers, 280 g bbl 18.9 pp l. Note: one to wire line to	92 /D 6,499' ave ppm, 1290 pg g dry job nozzle pluggools. 30 wire line de	1.5'/hr si ged on bit	645.92  Item Drilling Foor Drilling Mud Cum. Mud C Mud Loggin Cement all	644.92 644.92 644.92 644.92 644.92 Drilling Co	ests
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Well Name	Two Fer 26	6-30			Location		SEC 26 - 1	7 26S - R 30	<u> </u>
Date	7/29/09	Rig	Fron	tier 7	Present Op	eration	Running	7" N-80 casi	ng to 1,234'
Day No.	23	Formation			Lithology				
Depth ft	6,508	Previous De		6,508	Proposed T			6800	
Made	Mt	ft in		hrs	Drilling rate	of	#VALUE!	ft. per hr.	
				Mud					
Weight	18.6	Chlorides	190,000	Calcium	5,480	Solids	LGS= 8.3	L.C.M.	NONE_
VIS. Fun.	53	P.V.	<u>42</u>	Y.P.	32	Gels	25/38	PH	8
Water loss	10	Filter Cake	2	KCL %	NONE	Oil %	5	Nitrates	NONE_
Average		Maximum		Mud Gas Connection		Trip		Flare	
Average	···	-	litions last			Quantity		, iaio	
		Maa aac	11110113 1001	24 110010		- 44411111			
		······		Bit R	ecord				
WOB		RPM			Cumula	ative Rotatin	ng Hours	677.5	_
Dull Bit No.		Size		Type		Ser. No.		Jets	
Depth Out		Made		ft in	100 044	hrs. Ft/hr		Dull Gr.	0)/00
Present Bit #	4	Size	8.5"	Type	MXL-S11	Ser. No.	6052280	Jets	3X32
Depth in	6,356	Made	138	ft in	43.25	hrs.	Avg. ft./hr. le Drag an	3.19	on Info
		mps	BOP						
Mud Pump	No. 1	No. 2	1	pest Casing			g Weight 40 K		Conditions Spots Out
Make	F 1000	F 1000	Size	Depth 2.960'	Min. Burst	Pick Up	40 K	Depth	Over Puli
Liner Stroke	6" 10"	10"	9 5/8"	Shoe test	9265_	Slack Off	40 K	NONE	Over Full
SPM	10	10	Equiv. Mud		NONE	Rotating T		110111	
GPM				Last BOP C		Neutral	NONE		
Pump psi			Pressure T		8,000	Pick Up		Takes V	/eight trip In
Slow Pump F	# 1	#1	BOP Drill 8	Function	Yes	Slack Off		NONE _	J
SPM			Drill String	Vol. Bbls.		Last Date	BHA		
Pump psi			Annular Vo	l. Bbls.		Inspected	07/3/09	Ft. of Fill	NONE
	Dr	II String a	nd Botto	m Hole As	sembly (	onfigura	tion	_'	
	Drill Pipe	_			•	•		Cumula	tive ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	top of c	ollars
		1	1	4 1/2" XH			1	· .	
	D (1 11 -	1 - 4			<u></u>	<u> </u>	<u> </u>	Cumi	ulativa fast
lan		ole Assembl O.D.	y I.D.	Thread	Lbs./ft	Grade	Length	from I	lative feet
Item	Quantity	1 0.0.	ט.ו ו	illeau		Grade	l religiti		JIL .
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	<u> </u>			_				-	
				_		Total			
	1	F	Report of	Operation	is			rilling Co	sts
Hours	I	-		-			Item		Daily
							Drilling Foo	tage	
0600 to 0900	Cont loggir	ng with Image	er log, logge	d up to 6,20	0' & POOH		Drilling Day	work	
0900 to 0930				k			Water		
0930 to 1145						_	Drilling Muc		
1145 to 1245			nax gas was	98 units, 24	5 gpm, 980	psi	Cum. Mud (		
1245 to 1330				440!!-	075	1005	Mud Loggin		
1330 to 1430 1430 to 1530					275 gpm at	1335 psi	Cement all Drill Stem T		
1530 to 1700					ın I /D mach	nine	Electric Log		
1700 to 1730					p L/D macr	iiiie	Bits, Suppli		
1730 to 0130							Casing & W		
0130 to 0200				J.1.7					
0200 to 0300							1		
0300 to 0600	RIH with 7"	N-80 csg, 26#	per/ft, LT&C				Other		
	times to ge	t casing to fa	all. (Note:Us	ed dog colla	r clamp first	20 jts.)	Cum. Daily		\$48,307
	Casing fall	ing ok @ 120	00' with corr	ect displacer	nent.		Total Well	Costs	\$922,029
							Time Ca	tegory	Hrs.
							Log well		3.5
							RIH		4
							Circ.		5 <sup>.</sup> 7.5
	i						L/D pipe		7.5
								SING	
Drilling Supe	ndoo-	Peter Wilso	on Q line M/-	ie		ool Buche	RIH W/CAS		4



## State of Utah

#### **DEPARTMENT OF NATURAL RESOURCES**

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 23, 2009

CERTIFIED MAIL NO.: 7005 0390 0000 7507 4214

Ms. Katie Keller Intrepid Potash, Inc. 700 17<sup>th</sup> Street, Suite 1700 Denver, CO 80202

265 2DE 26

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated August 14, 2008

Dear Ms. Keller:

The Division of Oil, Gas and Mining (Division) is in receipt of your letter dated September 16, 2008 (received by the Division on 9/22/2008) in regards to the one (1) shut-in or temporarily abandoned (SI/TA) well operated by Intrepid Potash, Inc. (Intrepid). It is the Divisions understanding that Intrepid is currently looking for a suitable rig to complete the drilling of the Two Fer 26-30 well (API 43-019-31452) and subsequently drill a horizontal well on or before October 2009.

Based on the submitted information showing MIT and plan to bring the above well out of non-compliance status within a nine month period the Division grants extended SI/TA status for the well listed above valid until December 1, 2009, allowing adequate time to perform the proposed work. If pressures or fluid levels change significantly during the year please inform the Division immediately. Corrective action may be necessary.

If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet Petroleum Engineer

DKD/JP/js

cc: Operator Compliance File

Well File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA





September 16, 2008

Intrepid Potash, Inc. 700 17th Street, Suite 1700 Denver, CO 80202 303.296.3006 303.298.7502 fax

State of Utah Department of Natural Resources 12594 West North Temple, Suite 1210 P.O. Box 145801 Salt Lake City, Utah 84114-5801

Attention: Dustin K. Doucet

Re: Extended Temporarily Abandoned Well Status for

Two Fer 26-30 Well (API 43-019-31452)

Dear Mr. Doucet:

Pursuant to your letter dated August 14, 2008 and R649-3-36-1.3.3, Intrepid Oil & Gas, LLC ("IOG") hereby requests the Division to grant approval for extended shut-in time for the Two Fer 26-30 Well (API 43-019-31452).

As you are aware, in 2006 there was a shortage of drilling rigs with a depth capacity of 10,000. Due to the high geologic formation pressures associated with drilling in the Paradox formation, the Division required IOG to use a drilling rig equipped with a 5000 PSI rated blowout preventor. While IOG searched for a suitable large rig, in 2006 we commenced the drilling operations of this well with a small rig and drilled to a depth of 2960' and set surface casing. IOG is currently looking for a suitable rig to complete the drilling of this well to its estimated total depth of 6800' and to subsequently move the rig to Intrepid's Moab Solution Mine and drill a horizontal well on or before October, 2009.

As required in your letter, below is an explanation of the well integrity and the results of IOG's recent MIT:

- On 12/4/2006 a 9 5/8" casing string was set at 2960' and cemented to surface with BJ Cementers. The casing was left full of water and a cap was welded on the 9 5/8" casing with a weep hole (see attached wellbore diagram). The cement and top plug have not been drilled out and no further work has been done on this well.
- On 9/15/2008 Charlie Harrison, et al inspected the well. They found no gas leaking from the 9 5/8" ID or in the cellar around the annulus which is filled with cement. The cap was removed and the water level was only inches from the top as it was left on 12/4/2006.

  RECEIVED

SEP 2 2 2008

A new high pressure cap and collar were welded on the casing for MIT purposes. Charlie called Bart Kettle to witness the MIT. Action Hot Oil Service arrived and pressured the well to 1000 PSI and held the pressure for 45 minutes demonstrating MIT. Included is the work ticket from Action Hot Oil Service signed by their operator and three other witnesses to the test.

Should you have questions regarding the MIT, please do not hesitate to contact Richard Miller at (303) 820-4447 or Katie Keller at (303) 820-4460.

Sincerely,

Richard Miller

Special Projects Manager

Polard Miller

Katie Keller

Katie Keller

Landman

/RM

attachments

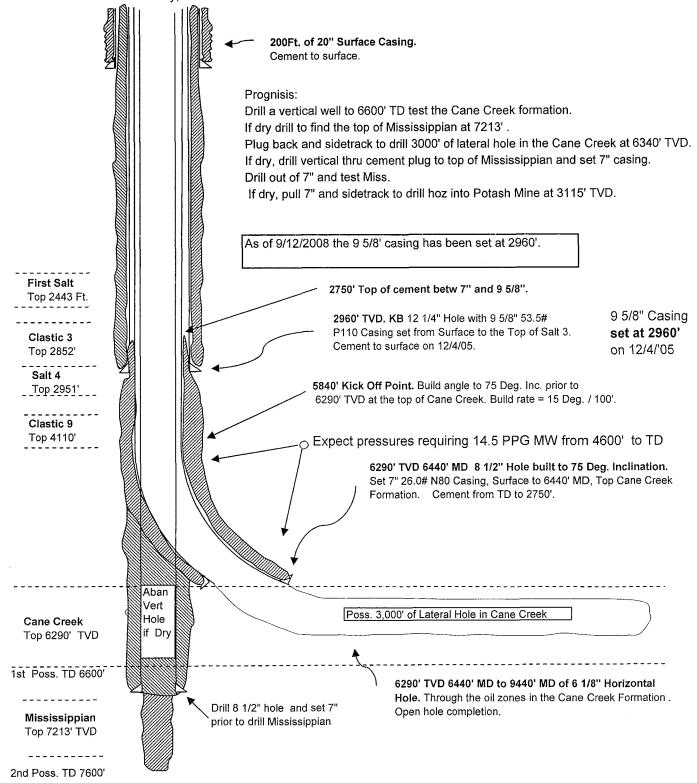
## Intrepid Oil and Gas LLC

Well:Two Fer 26-30

SESW SECT 26 T26S R 20E

Grand Cnty, UT - 20 Mi. SW of Moab.

Richard Miller 303-296-3006



# Two Fer 26-30

# M

## ACTION HOT OIL SERVICE, INC.

P.O. Box 1706 • Roosevelt, UT 84066 (435) 722-2190

#### **WORK TICKET**

NG 24195

Customer	In	Trop	wind "	poca	AGUE A	News A		<del>,,,,,,,, .</del>			_ Date	9/15	108	
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# STATE OF UTAH

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposeds of officers wells: eightings grouper outling with above current between the report of the filt indicational designs and the proposed of the proposed outling with above current between the proposed of the proposed outling with above current between the proposed outling with above current between the proposed outling with above current between the proposed outling with above current between the proposed outling with above current between the proposed outling with above current between the proposed outlines and above current between the proposed outling with above current between the proposed outlines and above current between the proposed outlines and above current between the proposed of the proposed outlines and above current the proposed outlines and above current the proposed outlines are current to proposed outlines and above current the proposed outlines are current to proposed outlines and above current to the proposed outlines are current to proposed outlines and above current to the proposed outlines are current to proposed outlines are current to proposed outlines and above current to proposed outlines are completed outlines are current to proposed outline	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49436-OBA
CONTINUE CONTINUENT CO	SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
OIL WELL WELL GAS WELL OTHER TWO-Fer 26-30  NAME OF CREAMOR NOT COMPLETED OIL & GAS, LLC  ADDRESS OF CREATOR OF THE 4100 OFF DENVER STATE CO 20 B0202 PROBE NAMES A 4501931452  10. FIELD AND PROJ. OF VILLOCAT: OF THE 4100 OFF DENVER STATE CO 20 B0202 PROD. OFF SECTION, TO MISHING, RANGE, MERIDIAN: \$SEW 26 26S 20E  STATE UTAH  CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION TYPE OF ACTION  NOTICE OF INTENT GRAND APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION SUBMISSIO		7. UNIT OF CA AGREEMENT NAME:
NAME OF OPERATOR  NTREPID DIL & GAS, LLC  ADDRESS OF OPERATOR  (7) 1717 HTS, SUITE 4100  GETY DENVER  BY 1718 CO  200 80202  RICHE LIMBER  (303) 820-4460  TO PRED AND SECTION, TOWNSHIP, RANGE, MERIULAR: SESW 28 26S 20E  STATE  UTAH  CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  NOTICE OF INTENT  (Submit is Depticien)  ADDRESS OF PRACTICE TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  ADDRESS OF TREAT  (Submit is Depticien)  CHANGE VEIL NAME  PLUS BRICK  OTHER SUBMIT OF THE NAME	OIL WELL  GAS WELL  OTHER	
ADDRESS OF GREATOR.  OT 17TH ST, SUITE 4100  OT 17TH S		
TOTATTH ST, SUITE 4100 CITY DENVER STATE CO 20 80202 (303) 820-4460  COCATION OF WELL  COUNTY: GRAND  COTROGRA ST SURFACE: 588" FSL, 1864" FWL, T26S-R20E  COUNTY: GRAND  OTROGRA ST SURFACE: 588" FSL, 1864" FWL, T26S-R20E  COUNTY: GRAND  OTROGRA SCOTION. TOMASSHIP, RANGE, MERIDIAN: SESW 26 26S 20E  STATE:  UTAH  CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  NOTICE OF INTENT  Gueria to Opticate Cashing  APPROPRIATE CASHING  APPROPRIATE CASHING  CHANGE TO FRENOUS PLANS  OPERATOR CHANGE  CHANGE TO FRENOUS PLANS  OPERATOR CHANGE  CHANGE TO FRENOUS PLANS  OPERATOR CHANGE  CHANGE WELL INSME  PRODUCTION STATT/RESUME;  CHANGE FOR CONNERWELL TYPE  COMMINGS PRODUCING FORMATIONS  RECLAMATION OF WELL SITE  OCCOMPLETED OPERATIONS. Clearly show all pertinent datables including dates, depths, volumes, etc.  NTREPID OIL & GAS, LLC REQUESTS THAT THE WELL INFORMATION REMAIN IN CONFIDENTIAL STATUS  RECLEVED  AUG 3 1 2009  DIV. OF OIL, GAS & MINING  WE GLEASE PRINT,  KATIE KELLER  TITLE  LANDMAN  UTAL  LANDMAN  UTAL  LANDMAN  UTAL  LANDMAN  UTAL  LANDMAN  UTAL  LANDMAN  UTAL  CHECK APPROPATIONS  CONTROL STATUS  TITLE  LANDMAN  UTAL  CHECK APPROPATIONS  CONTROL STATUS  TITLE  LANDMAN  UTAL  CHECK APPROPATIONS  CONTROL STATUS  CONTROL STATUS  TITLE  LANDMAN  UTAL  CHECK APPROPATIONS  CONTROL STATUS  CONTROL STATUS  CONTROL STATUS  CONTROL STATUS  CONTROL STATUS  CHECK APPROPATIONS  CONTROL STATUS  CONTROL STATUS  CONTROL STATUS  CONTROL STATUS  CHECK APPROPATIONS  CONTROL STATUS  C		
FOOTAGES AT SURFACE: 588' FSL, 1864' FWL, T26S-R20E  OTRIGITA, SECTION, TOWNSHIP, RANGE, MERIDIANE SESW 26 26S 20E  STATE:  UTAH  CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  NOTICE OF INTENT Submis to Deplicately Approximate date work will start Approximate date work will start CHANGE TUBING APPROXIMATION  SUBSEQUENT REPORT SUBMIS OFBIRE FORM ONLY UNITER SUBMIS OFBIRE FORM ONLY UNITER OF PROMOTOR SUBMIS OFBIRE FORM ONLY UNITER OFBIRE CHANGE WELL NAME PLUG BACK WATER SHIT-OFF COMMINGE REPORTING CHANGE PRODUCTION (START/RESUME) COMMINGE REPORTING CHANGE PRODUCTION (START/RESUME) COMMINGE REPORTING PROMOTORY COMMINGE REPORTING PRODUCTION (START/RESUME) COMMINGE REPORTING PROMOTORY COMMINGE REPOR	07 17TH ST, SUITE 4100 GITY DENVER STATE CO ZIP 80202 (303) 820-4460	10. FIELD AND POOL, OR WILDCAT:
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  NOTICE OF ACTION  NEPERFORATE CURRENT FORMATION  PRODUCTION OF ACTION OF REPORT OF REPAIR WELL  APPROXIMATE OBJECTACK TO REPAIR WELL  CHANGE TO PREVIOUS PLANS OF OPERATOR CHANGE TO TEMPORABLY ABANDON  CHANGE TO PREVIOUS PLANS OF PRODUCTION (STATT/RESUME)  CHANGE WELL IN AME OF PLUG BACK ONTIFE OF ACTION OF WAITER DISPOSAL  CHANGE WELL STATUS PRODUCTION (STATT/RESUME)  COMMINIOUS PRODUCTION FORMATIONS OF RECLAMATION OF WELL SITE OTHER CONFIDENTIAL  CONVERT WELL TYPE RECLAMATION OF WELL SITE OTHER CONFIDENTIAL  DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  NTREPID OIL & GAS, LLC REQUESTS THAT THE WELL INFORMATION REMAIN IN CONFIDENTIAL STATUS  RECLEVED  AUG 3 1 2009  DIV. OF OIL, GAS & MINING  WE (PLEASE PRINT) KATIE KELLER  TITLE LANDMAN		COUNTY: GRAND
TYPE OF ACTION    NOTICE OF INTENT   ACIDIZE   DEEPER   REPERFORATE CURRENT FORMATION   REPORT TUBING REPAIR   USENCE TO PREVIOUS PLAINS   OPERATOR CHANGE   TUBING REPAIR   USENCE TO PREVIOUS PLAINS   OPERATOR CHANGE   USENCE REPAIR   USENCE OF PRODUCTION (STARTURESCUME)   WATER DISPOSAL   WATER SHUT-OFF   COMMINGUE PRODUCTION (STARTURESCUME)   WATER SHUT-OFF   RECLAMATION OF WELL SITE   ZO THERE CONFIDENTIAL   STATUS   RECLAMATION OF WELL SITE   ZO THERE CONFIDENTIAL   STATUS      DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.    NTREPID OIL & GAS, LLC REQUESTS THAT THE WELL INFORMATION REMAIN IN CONFIDENTIAL STATUS      RECEIVED   AUG 3 1 2009     DIV. OF OIL, GAS & MINING   WATER SHUTOFF   WATE	QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 26 26S 20E	
NOTICE OF INTENT   ACIDIZE   DEEPEN   REPERPORATE CURRENT FORMATION   ALTER CASING   FRACTURE TREAT   SIDETRACK TO REPAIR WELL   APPRICAMENTE date work will start   CASING REPAIR   NEW CONSTRUCTION   TEMPORABILY ABANDON   TUBING REPAIR   NEW CONSTRUCTION   TUBING REPAIR   VENT OR FLARE    CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA	
NOTICE OF INTENT (Subtrial Opticities)  Approximate date work will start.  CASING REPAIR  CASING PREPAIR  CHANGE TO PREVIOUS PLANS  CHANGE TUBING  CHANGE TUBING  CHANGE TUBING  CHANGE TUBING  CHANGE WELL NAME  CHANGE WELL STATUS  COMMINGLE PRODUCING FORMATIONS  COMMINGLE PRODUCING FORMATIONS  DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  RECEIVED  AUG 3 1 2009  DIV. OF OIL, GAS & MINING  DIV. OF OIL, GAS & MINING  ME (PLEASE PRINT)  KATIE KELLER  TITLE  LANDMAN  CHANGE WELLER  TITLE  LANDMAN  CHANGE PRODUCING  STATUS  SIDETRACK TO REPAIR WELL  THE SUBTRACK TO REPAIR WELL  SIDETRACK TO REPAIR WELL  HEMPORATION  THE MEMORY ADAPTION  THE MEMORY ADAPTION  THE SIDETRACK TO REPAIR WELL  SIDETRACK TO REPAIR WELL  HEMPORATION  THE MEMORY ADAPTION  THE SIDETRACK TO REPAIR WELL  SIDETRACK TO REPAIR WELL  HEMPORATION  THE SIDETRACK TO REPAIR WELL  SIDETRACK TO REPAIR WELL  HEMPORATION  THE SIDETRACK TO REPAIR WELL  SIDETRACK TO REPAIR WELL  HEMPORATION  THE SIDETRACK TO REPAIR WELL  SIDETRACK TO REPAIR WELL  HEMPORATION  THE SIDETRACK TO REPAIR  TO SHAPE  SIDETRACK TO REPAIR  TO SHAPE  SIDETRACK TO REPAIR  THE SIDETRACK TO REPAIR  THE SIDETRACK TO REPAIR  THE SIDETRACK TO REPAIR  THE SIDETRACK TO REPAIR  THE SIDETRACK TO REPAIR  THE SIDETRACK TO REPAIR  THE SIDETRACK TO REPAIR  THE SIDETRACK TO REPAIR	TYPE OF SUBMISSION TYPE OF ACTION	And the second s
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CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING SEPAIR CHANGE CHANGE TUBING SEPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE (Submit Original Form Only)  Date of work completion: CHANGE WELL NAME PLUG BACK WATER DISPOSAL WATER SHUT-OFF COMMINGLE PRODUCTING FORMATIONS RECLAMATION OF WELL SITE CONVERT WELL TYPE RECOMPLETE-DIFFERENT FORMATION STATUS  DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  NTREPID OIL & GAS, LLC REQUESTS THAT THE WELL INFORMATION REMAIN IN CONFIDENTIAL STATUS  PROCEDURED  AUG 3 1 2009  DIV. OF OIL, GAS & MINING  ME (PLEASE PRINT) KATIE KELLER  TITLE LANDMAN  DESCRIBE PROPOSED OR CAMPLETER OPERATIONS. THE LANDMAN  DIV. OF OIL, GAS & MINING	(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
CHANGE TUBING PLUG AND ABANDON VENT OR FLARE  SUBSEQUENT REPORT (Submit Original Form Orth)  Date of work completion: CHANGE WELL STATUS PRODUCTION (STARTIRESUME) WATER SHUT-OFF  COMMINGLE PRODUCTION FORMATIONS RECLAMATION OF WELL SITE OTHER CONFIDENTIAL  CONVERT WELL TYPE RECOMPLETE DIFFERENT FORMATION  DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  ITREPID OIL & GAS, LLC REQUESTS THAT THE WELL INFORMATION REMAIN IN CONFIDENTIAL STATUS  RECEIVED  AUG 3 1 2009  DIV. OF OIL, GAS & MINING  RECHASSE PRINT, KATIE KELLER  TITLE LANDMAN  TITLE LANDMAN  TITLE LANDMAN	Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
SUBSEQUENT REPORT   CHANGE WELL NAME   PLUG BACK   WATER DISPOSAL (Submit Original Form Only)   CHANGE WELL STATUS   PRODUCTION (START/RESUME)   WATER SHUT-OFF   COMMINGLE PRODUCING FORMATIONS   RECLAMATION OF WELL SITE   OTHER CONFIDENTIAL   CONVERT WELL TYPE   RECOMPLETE - DIFFERENT FORMATION   STATUS    DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  ITREPID OIL & GAS, LLC REQUESTS THAT THE WELL INFORMATION REMAIN IN CONFIDENTIAL STATUS  RECEIVED AUG 3 1 2009  DIV. OF OIL, GAS & MINING  TITLE LANDMAN  TITLE LANDMAN  LANDMAN	American Section Company and American Company and A	TUBING REPAIR
CHANGE WELL STATUS	house the state of	VENT OR FLARE
Describe from the commingle producing formations   reclamation of well site   volumes   other: Confidential   Status    Describe proposed or completed operations. Clearly show all pertinent details including dates, depths, volumes, etc.  TREPID OIL & GAS, LLC REQUESTS THAT THE WELL INFORMATION REMAIN IN CONFIDENTIAL STATUS  RECEIVED   AUG 3 1 2009    DIV. OF OIL, GAS & MINING	(Submit Original Form Only)	WATER DISPOSAL
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent datalis including dates, depths, volumes, etc.  ITREPID OIL & GAS, LLC REQUESTS THAT THE WELL INFORMATION REMAIN IN CONFIDENTIAL STATUS  RECEIVED  AUG 3 1 2009  DIV. OF OIL, GAS & MINING  THE (PLEASE PRINT) KATIE KELLER  TITLE  LANDMAN  PL31109	Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  ITREPID OIL & GAS, LLC REQUESTS THAT THE WELL INFORMATION REMAIN IN CONFIDENTIAL STATUS  RECEIVED  AUG 3 1 2009  DIV. OF OIL, GAS & MINING  RECPLEASE PRINT, KATIE KELLER  TITLE LANDMAN  DIV. OF OIL ANDMAN		
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Vite Keller 2131109	DIV. OF O	IL, GAS & MINING
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STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

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FORM 8

		,	ופועוט	ONO	r UIL	, GAS	AND	MININ	G					ML-49				ERIAL NUMBER:
WEL	L COM	PLE?	ΓΙΟΝ	OR F	REC	OMPL	ETIC	ON R	EPOF	RT ANI	D LOG		6.	IF INDIAN	, ALLOT	TEE (	OR TRI	BE NAME
1a TYPE OF WELL	-	Ç	VELL IZ	]	GAS [		DRY		ОТН	ER			7 1	UNIT or C	A AGRE	EMEN	NAM TV	AE
b. TYPE OF WORK	HORIZ LATS.	] <b>P</b>	EEP-	]	RE- ENTRY [		DIFF. RESVR.		ОТН	ER			8. 1	WELL NA				
2 NAME OF OPER. Intrepid O														API NUME				
3. ADDRESS OF OF	PERATOR:			<del></del>						PHONE	NUMBER			43019			MILDC	AT
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4. LOCATION OF W AT SURFACE.	•	,	3 FSL										11.	OTR/OT	R, SECT	ION, T	FOWNS	SHIP, RANGE,
AT TOP PRODU				LOW: V	/ertica	ı <b>i</b> Well							s	ESW	26	2	6S	20E
AT TOTAL DEPT	н Vertic	al-We	11	10 E	ا م	O 5 1.	^ C					4		COUNTY			T	3. STATE
14. DATE SPUDDE		5 DATE I	D REAC	18 F		E COMPL			,	<u>- Hsr</u>						IS (DI	F, RKB	, RT, GL):
10/27/2005		7/28/2			L	4/2009	-		ABANDON		READY TO							2 RKB
18. TOTAL DEPTH:	MD 6,5			19. PLUG	BACK I.		6,452 (~i<	_	20. IF I	AULTIPLE C	OMPLETION	S, HOW	MANY?*		PTH BRI LUG SE		MD	
22 TYPE ELECTRIC			NICAL LO	GS RUN (	Submit co			<u> </u>		23.				L			TVD	! 
GR, DLL, PI	noto Den	sity, D	ual No	eutron	, Soni	c, Micı	ro-Ima	iging,		1	L CORED?			Z	YES _	]	-	nit analysis)
Caliper, CC	L, CBL -	Mailed	d previ	ously						WAS DST DIRECTIO	RUN? NAL SURVE	Y?	NO NO	띰	YES .	์ ว	-	nit report) nit copy)
24. CASING AND L	NER RECOR	D (Report	all string	s set in w	ell)			··············						<u></u>		d	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
HOLE SIZE	SIZE/GRA	/DE	WEIGHT	(#/ft )	тор	(MD)	вотто	M (MD)		EMENTER PTH	CEMENT T NO. OF S.			RRY IE (BBL)	CEM	ENT T	TOP **	AMOUNT PULLED
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															╂			
25. TUBING RECOR	L			I	···										<u> </u>			<u> </u>
SIZE	DEPTHS	ET (MD)	PAÇK	ER SET (A	AD)	SIZE		DEPTH	SET (MD)	PACKE	R SET (MD)		SIZE	T (	DEPTH S	ET (A	MD)	PACKER SET (MD)
2-7/8"	6,2	17	(	3,110						1	(		0.22		<i>-</i>	<u></u> (11		TACKER GET (MD)
26. PRODUCING IN	TERVALS					***************************************	***************************************		T	27. PERFO	RATION REC	ORD		·				·
FORMATION	NAME	TOP	(MD)	BOTTO	M (MD)	TOP	(TVD)	вотто	(TVD)	INTERVA	L (Top/Bat - )	MD)	SIZE	NO. HO	LES	PE	RFOR	ATION STATUS
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(B) Cane	<u>,</u>														0	pen [		Squeezed
(C) (ree)	BH														0	pen [		Squeezed
(D)		<u> </u>							]						0	pen [		Squeezed
28. ACID, FRACTUR	E, TREATME	NT, CEME	NT SQUE	EZE, ETC	:. 													
	NTERVAL		<u> </u>						AMC	T GNA TNUC	YPE OF MAT	ERIAL						
6249-6299			2593	Gallo	ns 15	% HC	<u> </u>											
20 5101 0050 477			<u> </u>													<del></del>		
29. ENCLOSED ATT	ACHMENTS:															30.	. WELL	STATUS:
Z ELECTA	RICALIMECHA	NICAL LO	GS:Ma	hal.	Preu	.0051	Y□ (	GEOLOGIC	REPORT		ST REPORT		DIREC	TIONAL S	SURVEY		7	
SUNDR	Y NOTICE FO	R PLUGG	ING AND	CEMENT	VERIFICA	ATION		CORE ANA	LYSIS		OTHER.				<del></del>		ı	esting
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5/2000)							(COI	NTINUE	D ON B	ACK)				KE		_I V	/ <b>L</b> !	-

NOV 0 2 2009

31. INITIAL PRODUCTION INTERVAL A (As shown in item #26) DATE FIRST PRODUCED: TEST DATE HOURS TESTED: TEST PRODUCTION OIL - BBL GAS - MCF WATER - BBL PROD. METHOD: RATES: 8/14/2009 8/14/2009 287 319 U Flow CHOKE SIZE: TBG. PRESS CSG. PRESS. API GRAVITY BTU - GAS GAS/OIL RATIO 24 HR PRODUCTION OII -- RRI GAS - MCF WATER - BBL INTERVAL STATUS: 6/16 2,200 800 41.00 RATES: 1,183 319 287 Testing 0 INTERVAL B (As shown in item #26) DATE FIRST PRODUCED. TEST DATE: HOURS TESTED: TEST PRODUCTION OIL - BBL GAS - MCF WATER - BBL PROD. METHOD: RATES: CHOKE SIZE: TBG PRESS CSG. PRESS. API GRAVITY BTU - GAS GAS/OIL RATIO 24 HR PRODUCTION OIL - BBL GAS - MCF WATER - BBL INTERVAL STATUS: RATES: INTERVAL C (As shown in item #26) DATE FIRST PRODUCED TEST DATE HOURS TESTED TEST PRODUCTION OIL - BBL GAS - MCF WATER - BBL PROD METHOD: CHOKE SIZE TBG, PRESS CSG. PRESS API GRAVITY BTU - GAS GAS/OIL RATIO 24 HR PRODUCTION OIL - BBL GAS - MCF WATER - BBL INTERVAL STATUS. RATED 4 --INTERVAL D (As shown in Item #26) DATE FIRST PRODUCED TEST DATE HOURS TESTED TEST PRODUCTION OIL - BBL GAS - MCF PROD. METHOD: WATER - BBL RATES: CHOKE SIZE TBG. PRESS. CSG PRESS API GRAVITY BTU - GAS GAS/OIL RATIO 24 HR PRODUCTION OIL -- BBL: GAS - MCF WATER - BBL INTERVAL STATUS: RATES: 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.) Flared 33. SUMMARY OF POROUS ZONES (Include Aquifers): 34. FORMATION (Log) MARKERS: Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shuf-in pressures and recoveries. Bottom Top (MD) Formation Top (Measured Depth) Descriptions, Contents, etc. (MD) Name Aquifer 1 1,214 1,258 Brine Water Top Salt 2,443 Aguifer 2 1,518 1,569 **Brine Water** Potash 5 3,124 Aquifer 3 1.807 1.861 **Brine Water** Potash 9 3,956 Clastic 21 6,248 6,310 Oil/Gas

35. ADDITIONAL REMARKS (include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determine	ed from all available records,
NAME (PLEASE PRINT) Hugh E, Harvey Ir.	TITLE Mejuher
SIGNATURE Have ).	DATE 9/30/09

This report must be submitted within 30 days of

- · completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\*\*ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

<sup>\*</sup> ITEM 20: Show the number of completions if production is measured separately from two or more formations.

Date N 1-Dec-05 1-Dec-05 1-Dec-05 1-Dec-05 1-Dec-05 11-Jul-09 11-Jul-09 11-Jul-09	GIV FI	0.00 0.00 0.7 0.50 8 1.50 45 0.50 90 0.25 01 0.25 93 0.25	AZM 0.00 30.00 30.00 30.00 30.00 30.00 30.00	CL 0 307 421 317 245 1011	TVD 0 307.00 727.93 1044.87 1289.87	7300 VS 0.00 1.34 8.69 14.22 15.82	N / S 0.00 N 1.16 N 7.52 N 12.31 N	E / W  0.00 E  0.67 E  4.34 E  7.11 E	11.2 30.00 DLS 0.00 0.16 0.24 0.32	Must had B / D 0.00 0.16 0.24 -0.32	Walk 0.00 9.77 0.00 0.00	Survey Device Tie In
Directio  Date N  1-Dec-05  1-Dec-05  1-Dec-05  1-Dec-05  1-Jul-09  11-Jul-09	No. Dep 0 1 30 2 72 3 104 4 129 5 230 6 258	oth INC 0.00 0.7 0.50 1.8 1.50 0.25 0.25 0.25 0.25 0.25	0.00 30.00 30.00 30.00 30.00 30.00	0 307 421 317 245	TVD 0 307.00 727.93 1044.87 1289.87	VS 0.00 1.34 8.69 14.22	N / S 0.00 N 1.16 N 7.52 N 12.31 N	E / W 0.00 E 0.67 E 4.34 E	DLS 0 00 0 16 0 24	B / D 0 00 0 16 0 24	Walk 0.00 9.77 0.00	Survey Device
Date N 1-Dec-05 1-Dec-05 1-Dec-05 1-Dec-05 1-Dec-05 1-Dec-05 1-Dec-05 1-Jul-09 11-Jul-09 11-Jul-09	No. Dep 0 1 30 2 72 3 10 <sup>4</sup> 4 129 5 230 6 258	0.00 0.00 0.7 0.50 8 1.50 45 0.50 90 0.25 01 0.25 93 0.25	0.00 30.00 30.00 30.00 30.00 30.00	0 307 421 317 245	0 307.00 727.93 1044.87 1289.87	0.00 1.34 8.69 14.22	0.00 N 1.16 N 7.52 N 12.31 N	0.00 E 0.67 E 4.34 E	0.00 0.16 0.24	0.00 0.16 0.24	0.00 9.77 0.00	
1-Dec-05 1-Dec-05 1-Dec-05 11-Jul-09 11-Jul-09	1 30 2 72 3 10 <sup>4</sup> 4 129 5 230 6 259	0.00 0.50 0.8 1.50 0.50 0.50 0.25 0.25 0.25	0.00 30.00 30.00 30.00 30.00 30.00	0 307 421 317 245	0 307.00 727.93 1044.87 1289.87	0.00 1.34 8.69 14.22	0.00 N 1.16 N 7.52 N 12.31 N	0.00 E 0.67 E 4.34 E	0.00 0.16 0.24	0.00 0.16 0.24	0.00 9.77 0.00	
1-Dec-05	1 30 2 72 3 10 <sup>4</sup> 4 129 5 230 6 259	7 0.50 8 1.50 45 0.50 90 0.25 01 0.25 93 0.25	30.00 30.00 30.00 30.00 30.00	307 421 317 245	307 00 727 93 1044 87 1289 87	1.34 8.69 14.22	1.16 N 7.52 N 12.31 N	0.67 E 4.34 E	0.16 0.24	0.16 0.24	9.77 0.00	Tie In
1-Dec-05	2 72 3 10 <sup>4</sup> 4 129 5 230 6 259	8 1.50 45 0.50 90 0.25 01 0.25 93 0.25	30.00 30.00 30.00 30.00	421 317 245	727.93 1044.87 1289.87	8.69 14.22	7.52 N 12.31 N	4.34 E	0.24	0.24	0.00	
11-Jul-09 11-Jul-09	3 10 <sup>4</sup> 4 129 5 230 6 259	45 0.50 90 0.25 01 0.25 93 0.25	30.00 30.00 30.00	317 245	1044.87 1289.87	14.22	12.31 N					
11-Jul-09 11-Jul-09	4 129 5 230 6 259	90 0.25 01 0.25 93 0.25	30.00 30.00	245	1289.87			7.11 E	0.32	-0.32	0.00	
11-Jul-09 11-Jul-09	5 230 6 259	01 0.25 93 0.25	30.00			15.82	10 70 11				0.00	
11-Jul-09 11-Jul-09	6 259	93 0.25		1011		10.02	13.70 N	7.91 E	0.10	-0.10	0.00	
11-Jul-09 11-Jul-09			30.00		2300.86	20.23	17.52 N	10.12 E	0.00	0.00	0.00	
11-Jul-09	7 31	10 000		292	2592 86	21.51	18.63 N	10.75 E	0.00	0.00	0.00	henkil
		16 2.00	30.00	523	3115 74	31.78	27.52 N	15.89 E	0.33	0.33	0.00	totco
	8 324	45 3.60	31.30	129	3244.58	38 08	32 93 N	19.12 E	1.24	1.24	1.01	vaughn
11-Jul-09	9 350	03 4.20	39.80	258	3501.98	55.48	47:11 N	29.37 E	0.32	0.23	3.29	Temp 99.8
12-Jul-09 1	10 375	53 3.20	37.40	250	3751.46	71.43	59.69 N	39.47 E	0.40	-0.40	-0.96	Temp 88.1
12-Jul-09 1	11 397	73 5.20	44.00	220	3970.86	87.19	71.74 N	50.13 E	0.93	0.91	3.00	Temp 106.9
13-Jul-09 1	12 409	92 4.90	45.40	119	4089.39	97.32	79.18 N	57.49 E	0.27	-0.25	1.18	Temp 93.7
14-Jul-09 1	13 418	89 4.20	46.50	97	4186.09	104.72	84.54 N	63,02 E	0.73	-0.72	1.13	Temp 104 8
15-Jul-09 1	14 440	06 5.30	38.60	217	4402.34	122 25	97.84 N	75.03 E	0.59	0.51	-3.64	Temp 87.8
16-Jul-09 1	15 445	56 7.00	38.80	50	4452.05	127.55	102 02 N	78.38 E	3.40	3.40	0.40	Temp 91
17-Jul-09 1	16 490	03 5.80	35.30	447	4896.26	176.95	141.68 N	108.50 E	0.28	-0.27	-0.78	Temp 96
18-Jul-09 1	17 512	20 5.6	33.90	217	5112.19	198.43	159 42 N	120.75 E	0.11	-0.09	-0.65	Temp 100 5
20-Jul-09 1	18 53	54 3.8	41.30	234	5345.39	217.43	174.72 N	132 23 E	0.81	-0.77	3.16	Temp 90.7
	19 56	16 2.2	40,60	262	5607.02	230.89	185.06 N	141.23 E	0.61	-0.61	-0.27	Temp 84.6
	20 594		133.00	326	5932.94	236.91	189.43 N	145.72 E	0.68	-0.61	28.34	Temp 90.3
23-Jul-09 2	21 63	11 0.2	352.40	369	6301.94	237.28	189.63 N	146.11 E	0.10	0.00	38.10	Temp 106.3
24-Jul-09 2	22 650	0.2	352.00	197	6498.94	237.82	190_31 N	146.02 E	0.00	0.00	-0.20	Projected to T



#### **ENSIGN SURVEY REPORT**

1-Dec-06 1 307 0.50 30.00 k 307 307.00 1.34 1.16 N 0.67 E 0.16 0.16 9.77 1-Dec-06 2 728 1.50 30.00 k 307 307.00 1.34 1.16 N 0.67 E 0.16 0.16 9.77 1-Dec-06 2 728 1.50 30.00 k 317 1044.87 14.22 12.31 N 7.11 E 0.32 -0.32 0.00 14 1290 0.25 30.00 k 317 1044.87 14.22 12.31 N 7.11 E 0.32 -0.32 0.00 14 1290 0.25 30.00 k 245 1288.87 15.82 13.70 N 7.91 E 0.10 -0.10 0.00 15 2301 0.25 30.00 k 245 1288.87 15.82 13.70 N 7.91 E 0.10 -0.10 0.00 15 2301 0.25 30.00 k 242 222 2892.86 21.51 18.63 N 10.75 E 0.00 0.00 0.00 1-Dec-01 1.34 12.04	ENS			Moeb					Magneti	c Declination	11.2			
Date   No.   Depth   INC   AZM   CL   TVD   VS   N / B   E / W   DLS   B / D   Walk   Survey De	Direct	1011	ill Rig;					7300	Ver	rtical Section	30.00			
0 0.00 0.00 0 0 0 0.00 N 0.00 E 0.00 0.00	Dire	ctional	Company:	Ensign										
1-Dec-05 1 307 0.50 30.00 x 307 307.00 1.34 1.16 N 0.67 E 0.16 0.18 9.77 1-Dec-05 2 728 1.50 30.00 x 421 727.93 8.69 7.52 N 4.34 E 0.24 0.24 0.00 3 1.045 0.50 30.00 x 421 727.93 8.69 7.52 N 4.34 E 0.24 0.24 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Date	No.	Depth	INC	AZM	а	TVD	VS	N/8	E/W	DLS	B/D	Walk	Survey Device
1-Dec-05 2 728 1.50 30.00 x 421 727.93 8.69 7.52 N 4.34 E 0.24 0.24 0.00 3.00 x 3.00			0	0.00	0.00	0	0	0.00	0.00 N	0.00 E	0.00	0.00	0.00	Tie in
3 1045 0.50 30.00 317 1044.87 14.22 12.31 N 7.11 E 0.32 -0.32 0.00 4 1290 0.25 30.00 30.00 245 1289.87 15.82 13.70 N 7.91 E 0.10 -0.10 0.00 5 2301 0.25 30.00 1011 2300.88 20.23 17.52 N 10.12 E 0.00 0.00 0.00 0.00 6 2593 0.25 30.00 222 2592.86 21.51 18.63 N 10.75 E 0.00 0.00 0.00 0.00 11-Jul-09 7 3116 2.00 30.00 523 3115.74 31.78 27.52 N 15.89 E 0.33 0.33 0.00 total 11-Jul-09 8 3245 3.60 31.30 129 3244.98 36.06 32.93 N 19.12 E 1.24 1.24 1.01 vaugh 11-Jul-09 9 3603 4.20 39.80 256 3501.98 55.48 47.11 N 29.37 E 0.32 0.23 3.29 Temp 9 12-Jul-09 10 3763 3.20 37.40 250 3751.46 71.43 59.69 N 39.47 E 0.40 -0.40 -0.96 Temp 8 12-Jul-09 11 3973 5.20 44.00 220 3970.86 87.19 71.74 N 50.13 E 0.93 0.91 3.00 Temp 10 13-Jul-09 13 4189 4.20 46.60 97 4186.09 104.72 N 48.64 N N 75.03 E 0.72 1.13 Temp 8 14-Jul-09 13 4189 4.20 46.60 97 4186.09 104.72 N 48.64 N 75.03 E 0.80 0.51 -3.64 Temp 8 16-Jul-09 16 4406 5.30 36.00 217 4402.34 122.25 97.84 N 75.03 E 0.80 0.51 -3.64 Temp 8 16-Jul-09 16 4406 5.30 36.00 217 4402.34 122.25 97.84 N 75.03 E 0.80 0.51 -3.64 Temp 8 16-Jul-09 16 4903 5.80 36.00 217 4402.34 122.25 97.84 N 75.03 E 0.80 0.51 -3.64 Temp 8 16-Jul-09 16 4903 5.80 36.00 217 4402.34 122.25 97.84 N 75.03 E 0.80 0.51 -3.64 Temp 8 16-Jul-09 16 50.00 5.66 33.90 217 5112.19 198.43 N 105.05 E 0.58 0.51 -3.64 Temp 8 16-Jul-09 17 5120 5.6 33.90 217 5112.19 198.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 9 20-Jul-09 18 5354 3.8 41.30 234 5345.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 9 20-Jul-09 19 5616 2.2 40.60 262 5607.02 230.89 180.83 N 146.11 E 0.61 -0.27 Temp 8 21-Jul-09 20 5942 0.2 133.00 326 5693.94 236.99 180.83 N 146.11 E 0.60 0.00 38.00 Temp 10 100 0.00 180.00	1-Dec-05	1	307	0.50	30.00 ¥	307	307.00	1.34	1.16 N	0.67 E	0.16	0.16	9.77	
4 1290 0.25 30.00* 245 1289.87 15.82 13.70 N 7.91 E 0.10 -0.10 0.00 5 230 1 0.25 30.00* 1011 2300.86 20.23 17.52 N 10.12 E 0.00 0.00 0.00 0.00 6 2593 0.25 30.00* 252 2592.85 21.51 18.63 N 10.75 E 0.00 0.00 0.00 101.1.1.1.1.1.1.1.1.1.1.	1-Dec-05	2	728	1.50	30.00 ×	421	727.93	8.69	7.52 N	4.34 E	0.24	0.24	0.00	
5 2301 0.25 30.00* 1011 2300.88 20.23 17.52 N 10.12 E 0.00 0.00 0.00 0.00 6		3	1045	0.50	30.00×	317	1044.87	14.22	12.31 N	7.11 E	0.32	-0.32	0.00	
8 2593 0.25 30.00 282 2592.85 21.51 18.63 N 10.75 E 0.00 0.00 0.00 henkil 11-Jul-09 7 3116 2.00 30.00 523 3115.74 31.78 27.52 N 15.89 E 0.33 0.33 0.00 totoo 11-Jul-09 8 3245 3.60 31.90 129 3244.58 38.08 32.93 N 19.12 E 1.24 1.24 1.01 vaugh 11-Jul-09 9 3503 4.20 39.80 258 3501.88 55.48 47.11 N 29.37 E 0.32 0.23 3.29 Yemp 9 12-Jul-09 10 3753 3.20 37.40 250 3751.46 71.43 59.69 N 39.47 E 0.40 -0.40 -0.96 Temp 9 12-Jul-09 11 3973 5.20 44.00 220 3970.86 87.19 71.74 N 50.13 E 0.93 0.91 3.00 Temp 10 12-Jul-09 12 4092 4.90 45.40 119 4089.39 97.32 79.18 N 57.49 E 0.27 -0.25 1.18 Temp 9 14-Jul-09 13 4189 4.20 46.50 97 4186.99 104.72 84.54 N 63.02 E 0.73 -0.72 1.13 Temp 10 15-Jul-09 14 4406 5.30 38.60 217 4402.34 122.25 97.84 N 75.03 E 0.59 0.51 -3.84 Temp 8 18-Jul-09 16 4456 7.00 38.80 50 4452.05 127.55 102.02 N 78.38 E 3.40 3.40 0.40 Temp 18 18-Jul-09 17 5120 5.6 33.90 217 6112.19 198.43 159.42 N 120.75 E 0.11 -0.09 -0.85 Temp 9 18-Jul-09 17 5120 5.6 33.90 217 6112.19 198.43 169.42 N 120.75 E 0.11 -0.09 -0.85 Temp 9 20-Jul-09 18 5354 3.8 41.30 234 5345.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 9 20-Jul-09 19 5616 2.2 40.60 262 5607.02 230.89 180.43 N 146.11 E 0.61 -0.27 Temp 8 23-Jul-09 20 5942 0.2 133.00 326 5693.94 237.84 180.43 N 146.71 E 0.68 -0.61 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.00 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.00 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.00 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.00 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.00 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.00 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.00 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.00 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 23		4	1290	0.25	30.00*	245	1289.87	15.82	13.70 N	7.91 E	0.10	-0.10	0.00	
11-Jul-09 7 3116 2.00 30.00 523 3115.74 31.78 27.52 N 15.89 E 0.33 0.33 0.00 teteo 11-Jul-09 8 3245 3.60 31.30 128 3244.58 38.06 32.93 N 19.12 E 1.24 1.24 1.01 vaugh 11-Jul-09 9 3503 4.20 39.80 258 3501.98 55.48 47.11 N 29.37 E 0.32 0.23 3.29 Temp 8 12-Jul-09 10 3753 3.20 37.40 250 3751.46 71.43 59.69 N 39.47 E 0.40 -0.40 -0.96 Temp 8 12-Jul-09 11 3973 5.20 44.00 220 3970.86 87.19 71.74 N 59.13 E 0.93 0.91 3.00 Temp 10 13-Jul-09 12 4092 4.90 45.40 119 4089.39 97.32 79.18 N 57.49 E 0.27 -0.25 1.18 Temp 8 14-Jul-09 13 4189 4.20 46.50 97 4186.99 104.72 84.54 N 63.02 E 0.73 -0.72 1.13 Temp 10 15-Jul-09 14 4406 5.30 36.60 217 4402.34 122.25 97.84 N 75.03 E 0.89 0.51 -3.84 Temp 8 17-Jul-09 16 4903 5.80 35.30 447 4896.26 127.56 120.20 N 78.38 E 3.40 3.40 0.40 Temp 17 17-Jul-09 16 4903 5.80 35.30 447 4896.26 176.56 102.02 N 78.38 E 3.40 3.40 0.40 Temp 18 18-Jul-09 17 5120 5.6 33.90 217 5112.19 198.43 159.42 N 120.75 E 0.11 -0.09 -0.65 Temp 10 20-Jul-09 18 5354 3.8 41.30 224 5345.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 9 20-Jul-09 19 5616 2.2 40.60 262 5607.02 230.89 186.43 N 146.11 E 0.61 -0.61 -0.27 Temp 8 23-Jul-09 20 5942 0.2 133.00 326 5932.94 236.91 189.43 N 146.11 E 0.60 -0.61 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.61 E 0.68 -0.661 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.61 E 0.60 -0.60 28.80 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.61 E 0.60 -0.61 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.61 E 0.60 -0.61 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.61 E 0.60 -0.61 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.61 E 0.60 -0.61 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.61 E 0.60 -0.61 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.61 E 0.60 -0.61 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.61 E 0.60 -0.61 28.34 Temp 9 23-Jul-09 21 6311		5	2301	0.25	30.00 *	1011	2300.86	20.23	17.52 N	10.12 E	0.00	0.00	0.00	
11-Jul-09 8 3245 3.60 31.30 128 3244.58 38.08 32.93 N 19.12 E 1.24 1.24 1.01 vaugh 11-Jul-09 9 3603 4.20 39.80 288 3501.98 55.48 47.11 N 29.37 E 0.32 0.23 3.29 Temp 9 12-Jul-09 10 3753 3.20 37.40 290 3751.46 71.43 59.69 N 39.47 E 0.40 -0.40 -0.96 Temp 9 12-Jul-09 11 3973 5.20 44.00 220 3970.86 87.19 71.74 N 50.13 E 0.93 0.91 3.00 Temp 11 13-Jul-09 12 4092 4.90 45.40 119 4089.39 97.32 79.18 N 57.49 E 0.27 -0.25 1.18 Temp 9 13-Jul-09 13 4189 4.20 46.50 97 4186.09 104.72 84.54 N 63.02 E 0.73 -0.72 1.13 Temp 10 15-Jul-09 14 4406 5.30 36.60 217 4402.34 122.25 97.84 N 75.03 E 0.58 0.51 -3.84 Temp 8 13-Jul-09 16 4953 5.80 35.30 447 4898.26 176.95 141.88 N 108.50 E 0.28 -0.27 -0.78 Temp 11 13-Jul-09 16 4903 5.80 35.30 447 4898.26 176.95 141.88 N 108.50 E 0.28 -0.27 -0.78 Temp 12 13-Jul-09 18 5354 3.8 41.30 234 5345.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 9 20-Jul-09 18 5354 3.8 41.30 234 5345.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 9 20-Jul-09 19 5616 2.2 40.60 262 5907.02 230.89 180.63 N 146.11 E 0.68 -0.661 28.34 Temp 9 23-Jul-09 20 5942 0.2 133.00 326 5932.94 236.94 189.43 N 146.71 E 0.68 -0.661 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23-Jul-		6	2593	0.25	30.00*	292	2592.86	21.51	18.63 N	10.75 E	0.00	0.00	0.00	henidi
11-Jul-09 9 3503 4.20 39.80 258 3501.98 55.48 47.11 N 29.37 E 0.32 0.23 3.29 Temp 8 12-Jul-09 10 3753 3.20 37.40 250 3751.46 71.43 59.69 N 39.47 E 0.40 -0.40 -0.96 Temp 8 12-Jul-09 11 3973 5.20 44.00 220 3970.86 87.19 71.74 N 50.13 E 0.93 0.91 3.00 Temp 10 12 4092 4.90 45.40 119 4089.39 97.32 79.18 N 57.49 E 0.27 -0.25 1.18 Temp 8 14-Jul-09 13 4189 4.20 46.50 97 4186.09 104.72 84.54 N 63.02 E 0.73 -0.72 1.13 Temp 10 15-Jul-09 14 4406 5.30 36.60 217 4402.34 122.25 97.84 N 75.03 E 0.59 0.51 -3.84 Temp 8 16-Jul-09 16 4456 7.00 38.60 50 4452.05 127.55 102.02 N 78.38 E 3.40 3.40 0.40 Temp 11 17-Jul-09 16 4903 5.80 35.30 447 4886.26 176.95 141.88 N 108.50 E 0.28 -0.27 -0.78 Temp 11 18-Jul-09 17 5120 5.6 33.90 217 5112.19 198.43 159.42 N 120.75 E 0.11 -0.09 -0.65 Temp 12 20-Jul-09 18 5354 3.8 41.30 234 5346.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 9 20-Jul-09 19 5616 2.2 40.60 262 5907.02 230.89 166.06 N 141.23 E 0.61 -0.61 -0.27 Temp 8 23-Jul-09 20 5942 0.2 133.00 326 5932.94 237.89 1 189.43 N 146.71 E 0.68 -0.68 28.40 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 12 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23.50 24 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23.50 23.50 24 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23.50 23.50 24 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23.50 23.50 24 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.00 Temp 10 23.5	11-Jul-09	7	3116	2.00	30.00	523	3115.74	31.78	27.52 N	15.89 E	0.33	0.33	0.00	totco
12-Jul-09 10 3753 3.20 37.40 250 3751.46 71.43 59.69 N 39.47 E 0.40 -0.40 -0.96 Temp 8 12-Jul-09 11 3973 5.20 44.00 220 3970.86 87.19 71.74 N 50.13 E 0.93 0.91 3.00 Temp 10 12 4092 4.90 45.40 119 4089.39 97.32 79.18 N 57.49 E 0.27 -0.25 1.18 Temp 10 14-Jul-09 13 4189 4.20 46.50 97 4186.99 104.72 84.54 N 63.02 E 0.73 -0.72 1.13 Temp 10 15-Jul-09 14 4406 5.30 36.60 217 4402.34 122.25 97.84 N 75.03 E 0.59 0.51 -3.84 Temp 8 18-Jul-09 16 4456 7.00 38.80 50 4452.05 127.55 102.02 N 78.38 E 3.40 3.40 0.40 Temp 18 18-Jul-09 17 5120 5.6 33.90 217 6112.19 198.43 159.42 N 120.75 E 0.11 -0.09 -0.65 Temp 18 18-Jul-09 17 5120 5.6 33.90 217 6112.19 198.43 159.42 N 120.75 E 0.11 -0.09 -0.65 Temp 18 20-Jul-09 18 5354 3.8 41.30 234 5345.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 9 20-Jul-09 19 5616 2.2 40.60 262 5607.02 230.89 180.83 N 146.11 E 0.68 -0.61 28.34 Temp 9 23-Jul-09 20 5942 0.2 133.00 326 5693.94 236.91 180.43 N 146.71 E 0.68 -0.61 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.10 0.00 38.10 Temp 19 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.10 0.00 38.10 Temp 19 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.10 0.00 38.10 Temp 19 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 180.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-0	11-Jul-09	8	3245	3.60	31.30	129	3244.58	38.06	32,93 N	19.12 E	1.24	1.24	1.01	raughn
12-Nui-09 11 3973 5.20 44.00 220 3970.86 87.19 71.74 N 50.13 E 0.93 0.91 3.00 Temp 10 13-Jui-09 12 4092 4.90 45.40 119 4089.39 97.32 79.18 N 57.49 E 0.27 -0.25 1.18 Temp 10 14-Jui-09 13 4189 4.20 46.50 97 4186.09 104.72 84.54 N 63.02 E 0.73 -0.72 1.13 Temp 10 15.Jui-09 14 4406 5.30 38.60 217 4402.34 122.25 97.84 N 75.03 E 0.59 0.51 -3.84 Temp 10 17-Jui-09 16 4456 7.00 38.60 50 4452.06 127.56 102.02 N 75.03 E 0.59 0.51 -3.84 Temp 10 17-Jui-09 16 4903 5.80 35.30 447 4896.26 176.95 141.68 N 108.50 E 0.28 -0.27 -0.78 Temp 10 17-Jui-09 17 5120 5.6 33.90 217 5112.19 198.43 159.42 N 120.75 E 0.11 -0.09 -0.85 Temp 10 20-Jui-09 18 5354 3.8 41.30 234 5345.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 9 20-Jui-09 19 5616 2.2 40.60 262 5607.02 230.89 186.08 N 141.23 E 0.61 -0.61 -0.27 Temp 8 23-Jui-09 20 5642 0.2 130.30 326 5932.94 236.91 189.43 N 146.11 E 0.68 -0.61 28.34 Temp 9 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10	11-Jul-09	9	3503	4.20	39.80	258	3501.98	55.48	47.11 N	29.37 E	0.32	0.23	3.29	Temp \$0.8
13-Jui-09 12 4092 4.90 45.40 119 4089.39 97.32 79.18 N 57.49 E 0.27 -0.25 1.18 Temp 8 14-Jui-09 13 4189 4.20 46.50 97 4186.09 104.72 84.54 N 63.02 E 0.73 -0.72 1.13 Temp 10 15-Jui-09 14 4406 5.30 36.60 217 4402.34 122.25 97.84 N 75.03 E 0.59 0.51 -3.64 Temp 8 13-Jui-09 16 4456 7.00 38.80 50 447 4490.26 127.55 102.02 N 78.38 E 3.40 3.40 0.40 Temp 8 17-Jui-09 16 4903 5.80 35.30 447 4890.26 176.96 144.88 N 105.50 E 0.28 -0.27 -0.78 Temp 10 18-Jui-09 17 5120 5.6 33.90 217 5112.19 198.43 159.42 N 120.75 E 0.11 -0.09 -0.65 Temp 10 20-Jui-09 18 5354 3.8 41.30 234 5346.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 9 20-Jui-09 19 5616 2.2 40.60 262 5607.02 230.89 180.08 N 141.23 E 0.61 -0.61 -0.27 Temp 8 21-Jui-09 20 5942 0.2 133.00 326 5932.94 236.94 189.43 N 146.71 E 0.68 -0.68 28.34 Temp 9 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.0 Temp 10 23-Jui-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.00 0.00 38.0 Temp 10 23	12-Jul-09	10	3753	3.20	37.40	250	3751.46	71.43	59.69 N	39.47 E	0.40	-0.40	-0.96	Temp 88.1
14-Jul-09 13 4189 4.20 46.50 97 4186.99 104.72 84.54 N 63.02 E 0.73 -0.72 1.13 Temp 10 15-Jul-09 14 4406 5.30 36.60 217 4402.34 122.25 97.84 N 75.03 E 0.69 0.51 -3.84 Temp 8 16-Jul-09 15 4456 7.00 38.60 50 4452.05 127.55 102.02 N 78.38 E 3.40 3.40 0.40 Temp 8 17-Jul-09 16 4903 5.80 35.30 447 4886.26 176.96 141.88 N 108.50 E 0.28 -0.27 -0.78 Temp 18 18-Jul-09 17 5120 5.6 33.90 217 5112.19 198.43 159.42 N 120.75 E 0.11 -0.09 -0.65 Temp 10 20-Jul-09 18 5354 3.8 41.30 234 5346.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 9 20-Jul-09 19 5616 2.2 40.60 262 5607.02 230.89 166.06 N 141.23 E 0.61 -0.61 -0.27 Temp 8 21-Jul-09 20 5642 0.2 133.00 326 56932.94 236.91 189.43 N 145.72 E 0.68 -0.68 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.00 0.00 38.10 Temp 10 23-Jul-09 21 63311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.00 0.00 38.10 Temp 10 23-Jul-09 21 63311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.00 0.00 38.10 Temp 10 23-Jul-09 21 63311 0.2 352.40 399 6301.94 237.26 189.63 N 146.11 E 0.00 0.0	12-Jul-09	11	3973	5.20	44.00	220	3970.86	87.19	71,74 N	50.13 E	0.93	0.91	3.00	Temp 106.9
15-Jul-09 14 4406 5.30 38.60 217 4402.34 122.25 97.84 N 75.03 E 0.69 0.51 -3.64 Temp 8 16-Jul-09 16 4456 7.00 38.60 50 4452.05 127.55 102.02 N 78.38 E 3.40 3.40 0.40 Temp 8 18-Jul-09 16 4903 5.80 35.30 447 4896.26 176.95 141.68 N 108.50 E 0.28 -0.27 -0.78 Temp 8 18-Jul-09 17 5120 5.6 33.90 217 5112.19 198.43 169.42 N 120.75 E 0.11 -0.09 -0.65 Temp 10 20-Jul-09 18 5354 3.8 41.30 234 5345.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 9 20-Jul-09 19 5616 2.2 40.60 262 5607.02 230.89 186.08 N 141.23 E 0.61 -0.61 -0.27 Temp 8 21-Jul-09 20 5942 0.2 133.00 326 56932.94 236.91 189.43 N 145.72 E 0.68 -0.61 28.34 Temp 9 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.00 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.00 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.00 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 199.63 N 146.11 E 0.00 0.00	13-Jul-09	12	4092	4.90	45.40	119	4089.39	97.32	79.18 N	57.49 E	0.27	-0.25	1.18	Temp 93.7
16_kui-09	14-Jul-09	13	4189	4.20	46.50	97	4186.09	104.72	84.54 N	63.02 E	0.73	-0.72	1.13	Temp 104.8
17-Jul-09 16 4903 5.80 35.30 447 4896.26 176.95 141.68 N 106.50 E 0.28 -0.27 -0.78 Temps 18-Jul-09 17 5120 5.6 33.90 217 5112.19 198.43 159.42 N 120.75 E 0.11 -0.09 -0.65 Temps 10 20-Jul-09 18 5354 3.8 41.30 234 5345.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temps 10 20-Jul-09 19 5616 2.2 40.60 262 5607.02 230.89 186.05 N 141.23 E 0.61 -0.61 -0.27 Temps 10 20-Jul-09 20 5942 0.2 133.00 326 5932.94 236.91 189.43 N 145.72 E 0.68 -0.61 28.34 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.00 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.00 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.00 0.00 38.10 Temps 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.2	15-Jul-09	14	4406	5.30	38.60	217	4402.34	122.25	97.84 N	75.03 E	0.59	0.51	-3.64	Temp 87.8
18-Jul-09 17 5120 5.6 33.90 217 5112.19 198.43 159.42 N 120.75 E 0.11 -0.09 -0.65 Temp 10 20-Jul-09 18 5354 3.8 41.30 234 5346.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 90 20-Jul-09 19 5616 2.2 40.60 262 5607.02 230.89 150.06 N 141.23 E 0.61 -0.61 -0.61 -0.27 Temp 80 21-Jul-09 20 5642 0.2 133.00 326 5603.94 236.91 189.43 N 146.72 E 0.68 -0.61 28.34 Temp 90 23-Jul-09 21 6311 0.2 352.40 369 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10	16-Jul-09	15	4456	7.00	38.80	50	4452.05	127.55	102.02 N	78.38 E	3.40	3.40	0.40	Temp 91
20-Jul-09 18 5354 3.8 41.30 234 5345.39 217.43 174.72 N 132.23 E 0.81 -0.77 3.16 Temp 90 20-Jul-09 19 5616 2.2 40.60 262 5607.02 230.89 186.08 N 141.23 E 0.61 -0.61 -0.61 -0.27 Temp 8 21-Jul-09 20 5942 0.2 133.00 326 56932.94 236.91 189.43 N 145.72 E 0.68 -0.61 28.34 Temp 90 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 399 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10 23-Jul-09 21 6311 0.2 352.40 389 6311 0.2 352.40 3	17-Jul-09	16	4903	5.80	35.30	447	4896.26	176.95	141.68 N	108.50 E	0.28	-0.27	-0.78	Temp 96
20-Jul-09 19 5616 2.2 40.60 262 5607.02 230.89 186.08 N 141.23 E 0.61 -0.61 -0.67 Temp.8 21-Jul-09 20 5942 0.2 133.00 326 5932.94 236.91 189.43 N 145.72 E 0.68 -0.61 28.34 Temp.9 23-Jul-09 21 6311 0.2 362.40 369 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp.10	18-Jul-09	17	5120	5.6	33.90	217	5112.19	198.43	159.42 N	120.75 E	0.11	-0 09	-0.65	Temp 100.5
21-Nui-09 20 5942 0.2 133.00 326 5932.94 236.91 139.43 N 145.72 E 0.68 -0.61 26.34 Temp.91 23-Nui-09 21 6311 0.2 352.40 369 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp.10	20-Jul-09	18	5354	3.8	41.30	234	5345.39	217.43	174.72 N	132.23 E	0.81	-0.77	3.16	Temp 90.7
23-Jul-09 21 6311 0.2 352.40 369 6301.94 237.28 189.63 N 146.11 E 0.10 0.00 38.10 Temp 10	20-Jul-09	19	5616	2.2	40.60	262	5607.02	230.89	185.06 N	141.23 E	0.61	-0.61	-0.27	Temp 84.6
	21-Jui-08	20	5942	0.2	133.00	326	5932.94	236.91	189.43 N	145.72 E	0.68	-0.61	28.34	Temp 90.3
24-14 1500 . 2 352 184 64614 231.8 196.02 0 0 - 2 Poste	23-Jul-09	21	6311	0.2	352.40	369	6301.94	237.28	189.63 N	146.11 E	0.10	0.00		Temp 106.3
	24-141		1.500	. 2	352	181	رارعوب	231.12	140,23	146.02	Ċ	ø	- 2	Preder
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\* Azimuth not surveyed, 30° assumed

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS AND MINING	ML-49436-OBA
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: Two Fer 26-30
2. NAME OF OPERATOR:	9. API NUMBER:
Intrepid Oil & Gas, LLC	4301931452
3. ADDRESS OF OPERATOR: PHONE NUMBER 707 17th Street, Ste 4100 CITY Denver STATE CO 21P 80202 (303) 820-	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
4. LOCATION OF WELL	
FOOTAGES AT SURFACE: 1864 FWL 588FSL SE SW Sec. 26 T26S, R20E	соинту: <b>Grand</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE	, REPORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTIO	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)  CHANGE WELL STATUS  PRODUCTION (START/RESUM	ME) WATER SHUT-OFF
Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
CONVERT WELL TYPE RECOMPLETE - DIFFERENT F	ORMATION
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, de	pths, volumes, etc.
Request approval of reserve pit reclamation plans attached.	COPY SENT TO OPERATOR
	Date: MAL 1 1 2011
	Initials: ES
Approved by the	
Utah Division of	
Oil, Gas and Mining	
- /, / ·	
Date:	
De Domi	
by.	
NAME (DI EASE DRINT) Richard Miller TITLE Special	Project Manager
Marie (* EERSE 1 (1) 1)	
SIGNATURE Kichard Miller DATE 6/10/20	11

(This space for State use only)

RECEIVED
JUN 27 2011

#### Pit Reclamation Procedure

Intrepid Oil and Gas, LLC

Two Fer 26-30

#### Background

Intrepid Oil and Gas, LLC (IOG) has previously drilled the Two Fer 26-30 well on private surface in Grand County, Utah. The Two Fer 26-30 is currently producing and is not proposed for access road and pad reclamation. The pad will not be reclaimed until the well no longer produces or the location is not needed. The pad currently has an open reserve pit that IOG is proposing for closure and final reclamation. The pit presently contains cuttings and drilling waste, some surface water, and no visible hydrocarbons.

IOG proposes to close and reclaim the reserve pit at the Two Fer 26-30 well site as soon as the Division of Oil, Gas and Mining (DOGM) approval is given. The reclamation process consists of cleanup procedures for the cuttings in the reserve pit and reclamation procedures for soil preparation, contouring, and seeding.

#### Pit Reclamation Procedure

The pit reclamation procedure is designed to: A) stabilized cuttings, B) remove the cuttings that exceed cleanup standards, C) backfill the remaining materials in the pit preparing the area for final reclamation procedures, and D) reseed the reclaimed area.

- 1. Visible trash and construction debris at the site will be removed and transported to a State approved solid waste disposal facility.
- 2. Fluids in the reserve pit will be allowed to evaporate or will be removed by a vacuum-truck. Fluids removed will be transported to Danish Flats disposal pits (near Cisco, Utah) or a similar state permitted commercial wastewater disposal facility. Visible hydrocarbons that become present will also be removed based on sampling, analysis, and criteria specified in the Environmental Handbook¹ (January 1996) and disposed of at a state approved facility that can accept those levels of constituents.
- 3. The contents of the reserve pit will initially be mixed and solidified to a uniform consistency by adding available materials (e.g. subsoil, powder or granular limestone, or commercial powder cement), as necessary, to a consistency that allows truck transportation. The contents of the pit will then be loaded into trucks and transported to ECDC (in Carbon, Utah) or another approved solid waste repository. The contents of the reserve pit will be removed or until sampling of the remaining contents meet the criteria outlined within page 10 of the Environmental Handbook (January 1996) as outlined below. It is likely that most of the material in the pit will be removed. Maximum allowable concentrations for the solids are listed below:

#### Salinity Content:

- Electrical Conductivity <4 mmho/cm which approximates TDS of 2560 mg/l</li>
- Exchangeable sodium percentage ESP <15%
- Sodium adsorption ratio SAR <12</li>

#### Hydrocarbon Content:

<sup>&</sup>lt;sup>1</sup> Environmental Handbook, Environmental Regulations for the Oil & Gas Exploration & Production Industry. Prepared by G.L. Hunt, Environmental Manager, Utah Division of Oil, Gas, & Mining, Utah Department of Natural Resources.

#### • 1% or 10,000 ppm TPH

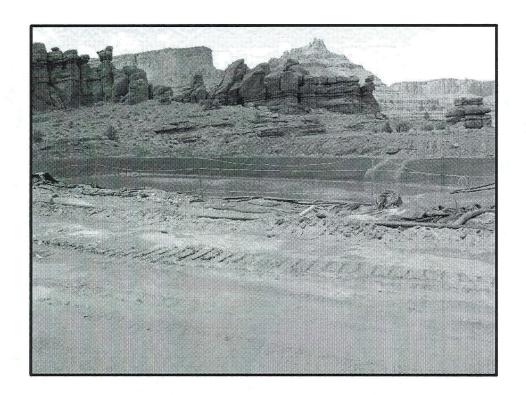
- 4. The remaining liquid and solids within the reserve pit will be solidified by adding additional material (e.g. subsoil, powder or granular limestone or commercial cement) and blended using a track hoe bucket. Blending and adding additional material will continue until the mixed material has a stabilized consistency and is weight bearing. The mixing process will perforate and tear the liner on the bottom of the pit.
- 5. Any additional liner remaining above the stabilized material (on the sides of the pit or extending onto the ground surface) will be folded into the pit, over the stabilized material.
- 6. The blended material in the pit will be covered with a minimum of two feet of material consisting of the following:
  - Additional material (e.g. sand, rock, subsoil, powder or granular limestone or commercial cement) will be added until the solidified solids in the pit are buried by at least 18-inches.
  - The pit will then be filled to the surface, mounded, and contoured to promote surface water drainage. The final cover will consists of a 6-inch layer of compacted low permeability material and an additional 4-inches of native subsoil. The final cover will be mounded over the reserve pit and contoured to promote surface water drainage from the area above the pit.
- 7. Topsoil previously salvaged from the area of the reserve pit will be spread evenly across the entire pit area.
- 8. A landowner prescribed seed mixture will be applied and, if available, covered with mulch to protect the seeds from wind and water erosion and to discourage the invasion of weeds. Seed will be applied at approximately 14-lbs /acre using the following native seed mix:

#### Intrepid Potash-Moab, LLC. Seed Mix: 14 lbs/acre

o Sand dropseed – Sporobolus cryptandurs	(3 lbs / acre)
o Fourwing Saltbush - Atriplex canescens	(3 lbs / acre)
o Needle and Thread Grass -	(4 lbs / acre)
o Indian Rice Grass - Achnatherum himenoides	(4 lbs / acre)

The entire reclaimed area will be fenced to prevent entry onto the closed pits, excessive grazing and minimize the incidental disturbance for a period of two years. Reclaimed areas receiving incidental disturbance during the life of the project would be re-contoured and reseeded as soon as practical. The operator will monitor reclamation success and control noxious weeds within the reclaimed area or other applicable facilities by spraying or mechanical removal. A list of noxious weeds will be obtained from the County Extension Office.

## Photos:



Two Fer 26-30 Reserve Pit



Intrepid Potash, Inc. 707 17th Street, Suite 4200 Denver, CO 80202 303.296.3006 303.298.7502 fax

June 10, 2011

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P.O. Box 145801 Salt Lake City, Utah 84114-5801

DE.

Reclamation of the Two Fer 26-30 1864 FWL 588FSL SE SW Sec. 26 T26S, R20E API #4301931452 RECEIVED
JUN 27 2011

DIV. OF OIL, GAS & MINING

To Whom It May Concern:

Intrepid Potash, Inc. ("IPI") is the current surface owner under the reference well. IPI concurs with Intrepid Oil & Gas, LLC's ("IOG") reclamation of the small cuttings pit and the partial closure of the reserve pit as stated on the attached Sundry Notice. The future full closure of the reserve pit and the reclaimation of the access road to the Lucky Charm Well will be subject to the terms and conditions of the Surface Use Agreement dated November 16, 2009 between IPI and IOG.

Should you have any questions, I can be reached at (303) 820.4460.

Sincerely,

(atre Keller

Katie Keller Landman Intrepid Potash, Inc.

/kk Encl.